

INDIANA

SCHOOL TECH PLAN

2018



Directory (Page 2) has links to each section
State graphic on each page links back to directory



Bandwidth



Devices

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SCHOOL TECH PLAN

2018



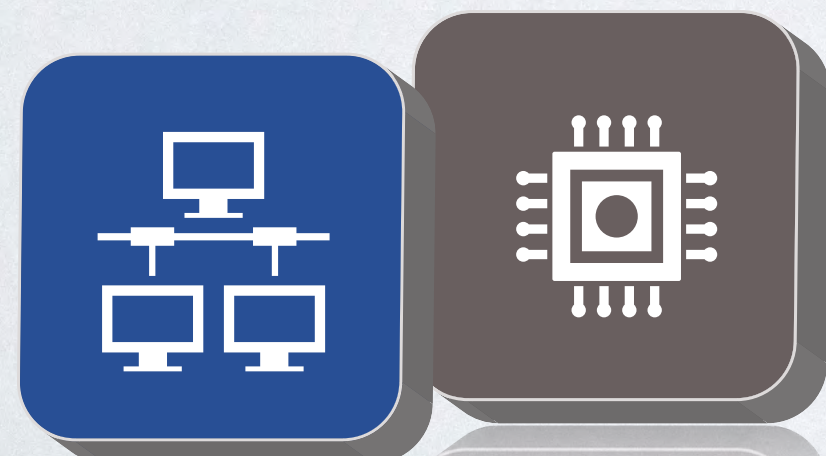
Social Media



Digital Content



Platforms



Infrastructure



Virtual Learning



Staffing



Cybersecurity



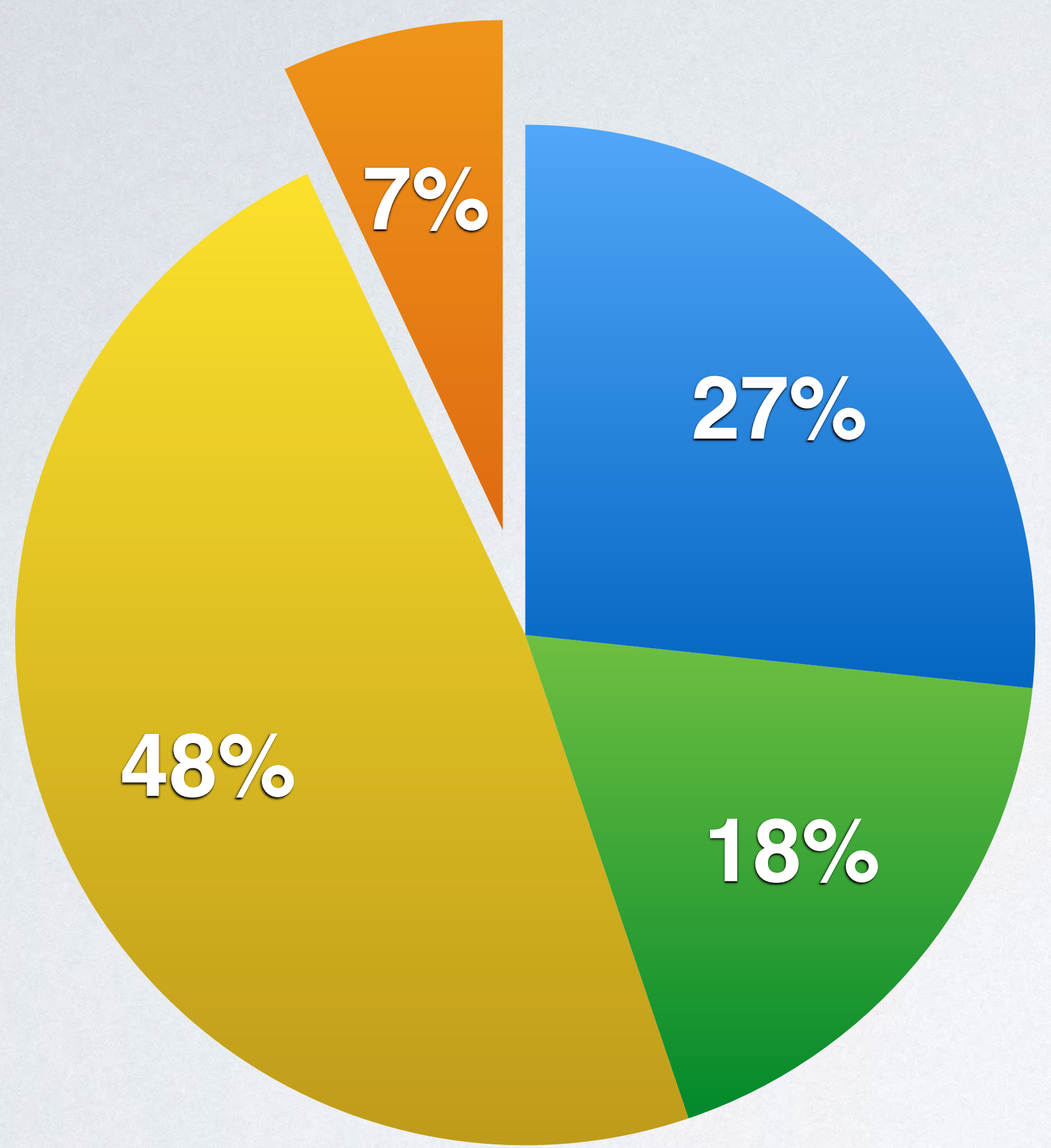
Bandwidth

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District Broadband Levels

2018



- 600+
- 400-600
- 200-400
- 0-100

Mbps per 1,000 students/staff

SETDA's targets for Broadband Access:

2014-15 - At least 100 Mbps per 1,000 students/staff

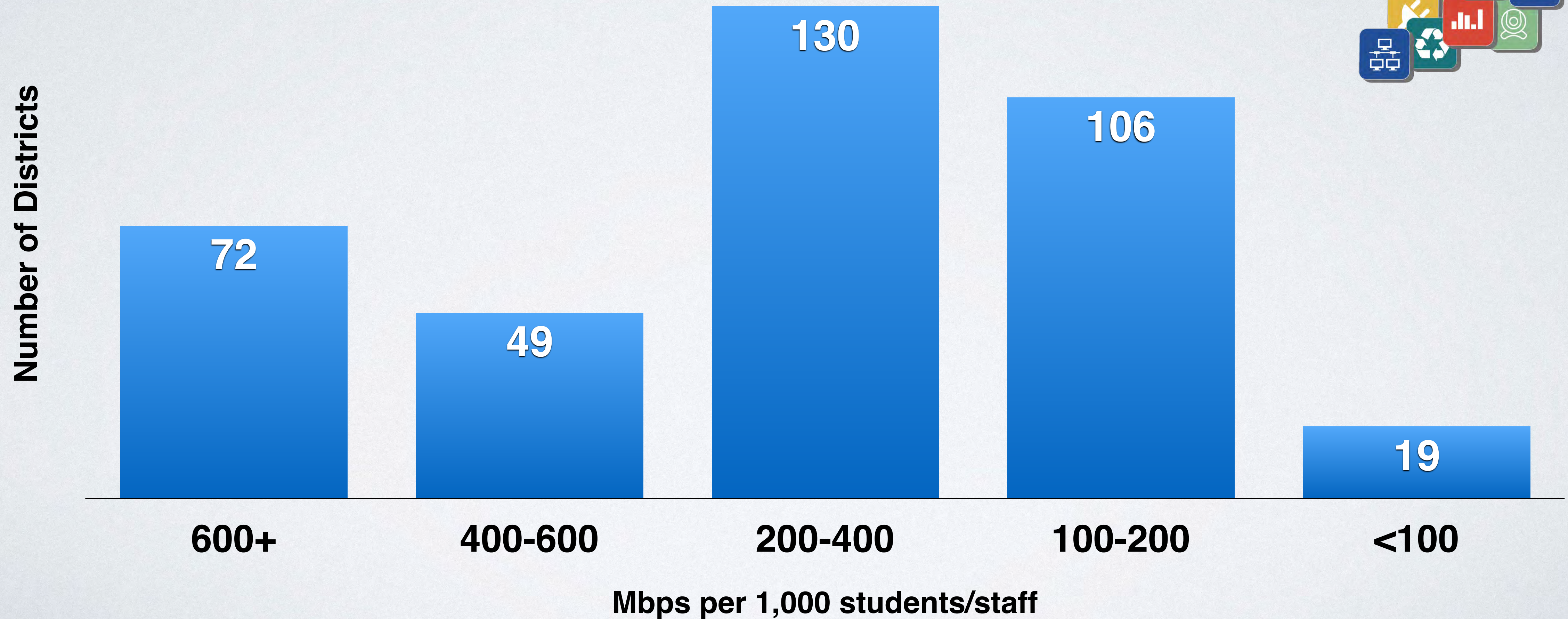
2017-18 - At least 1024 Mbps per 1,000 students/staff

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District Broadband Levels

2018



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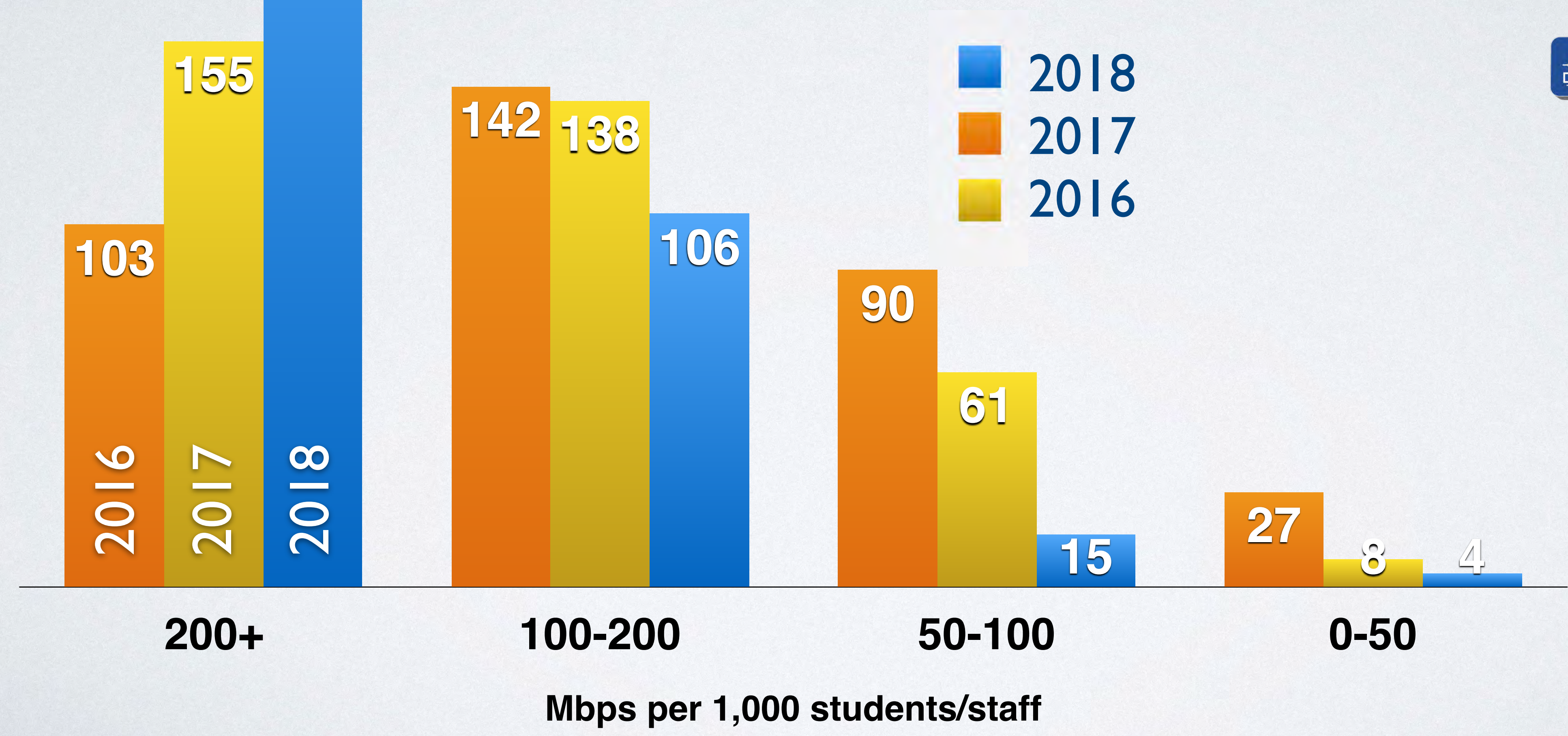
District Broadband Levels

3-Year Comparison

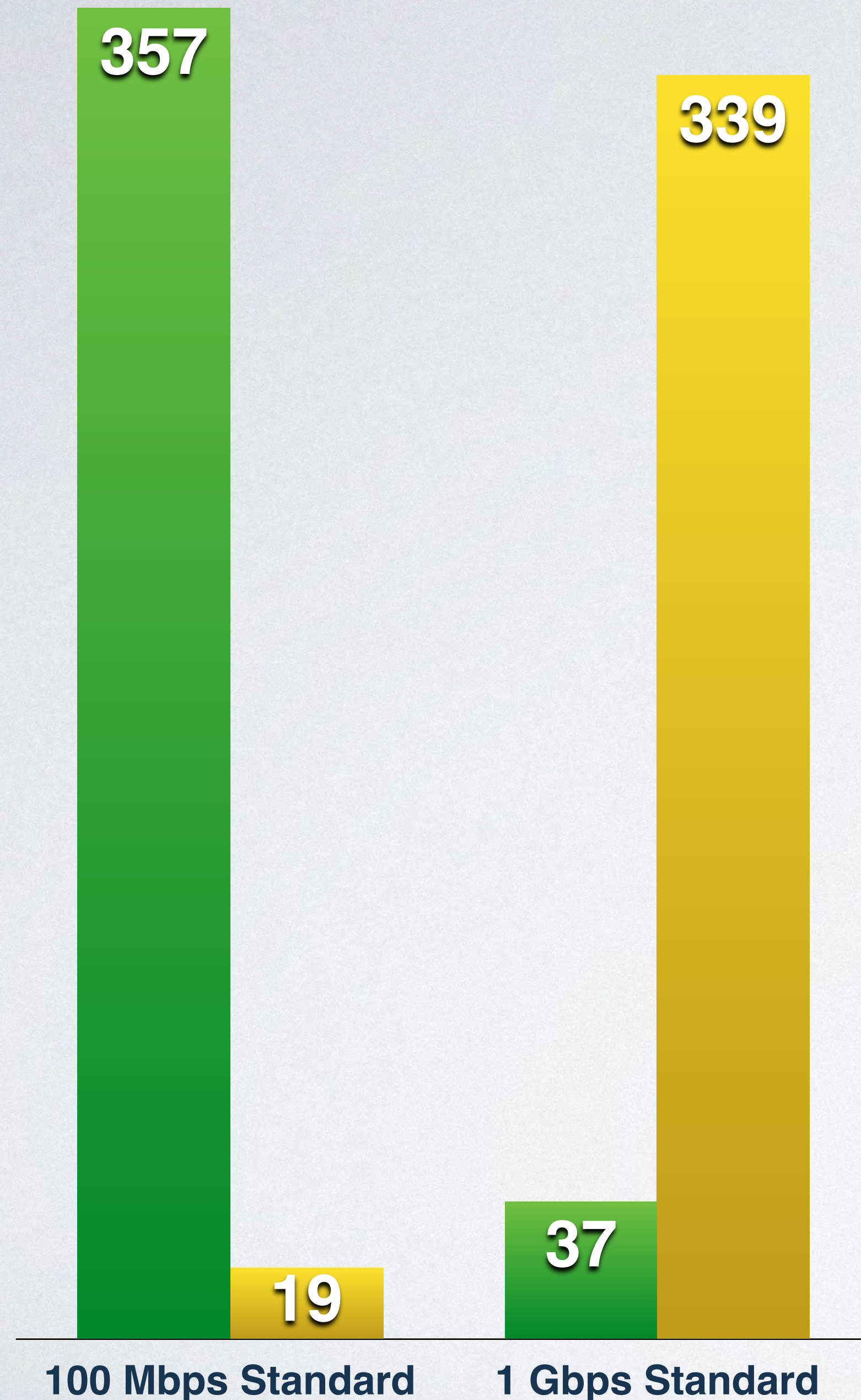
2018



Number of Districts



Number of Districts



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Broadband Targets

2018



357 districts over 100 Mbps, 19 below
37 districts over 1 Gbps, 339 below

SETDA's targets for Broadband Access:

2014-15 - At least 100 Mbps per 1,000 students/staff

2017-18 - At least 1 Gbps per 1,000 students/staff (medium school)

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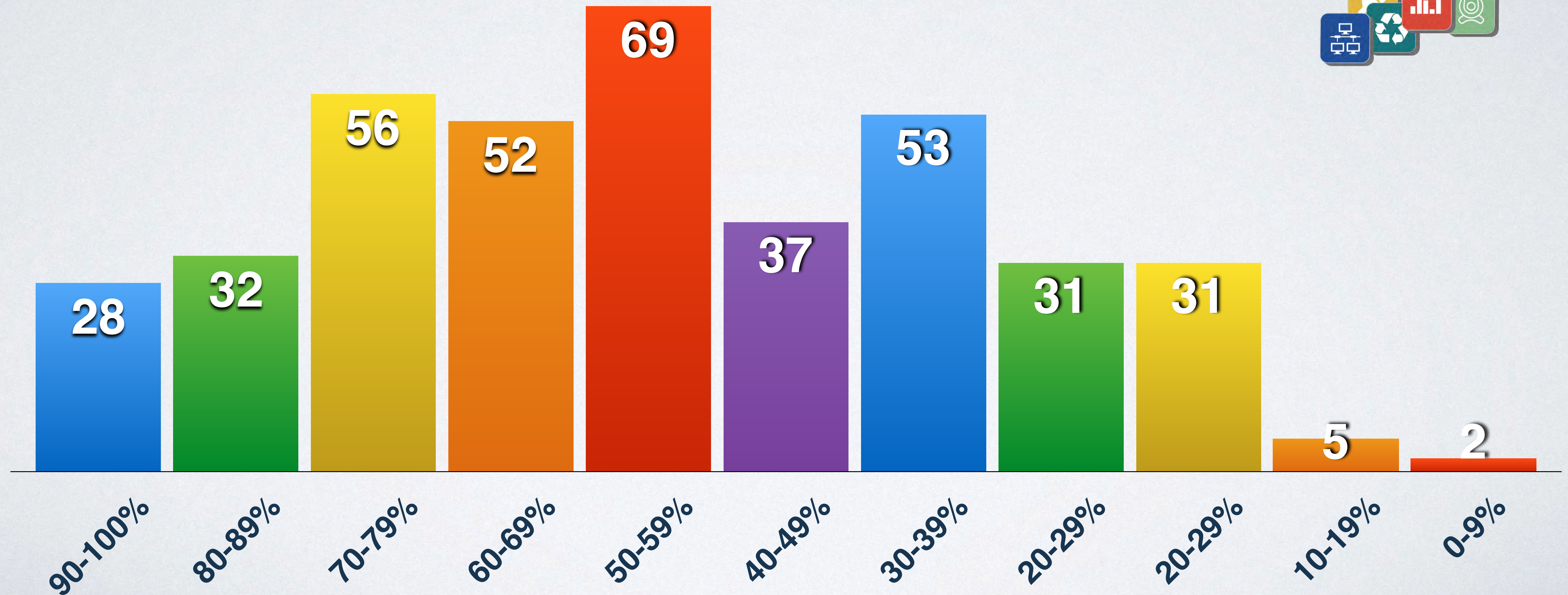
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Average Utilization of
Available Bandwidth

2018



Number of Districts



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Infrastructure

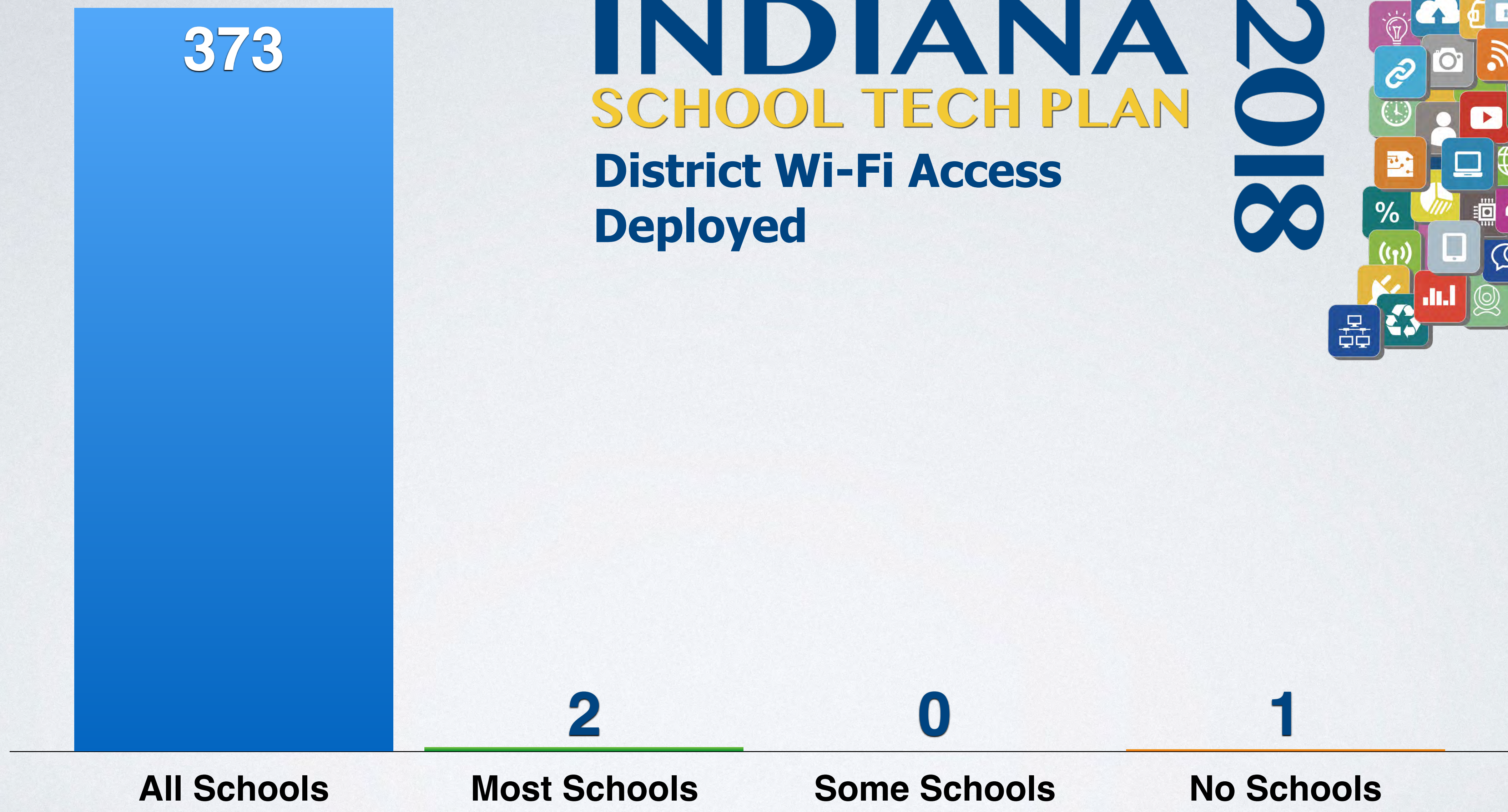
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District Wi-Fi Access Deployed

2018



Number of Districts



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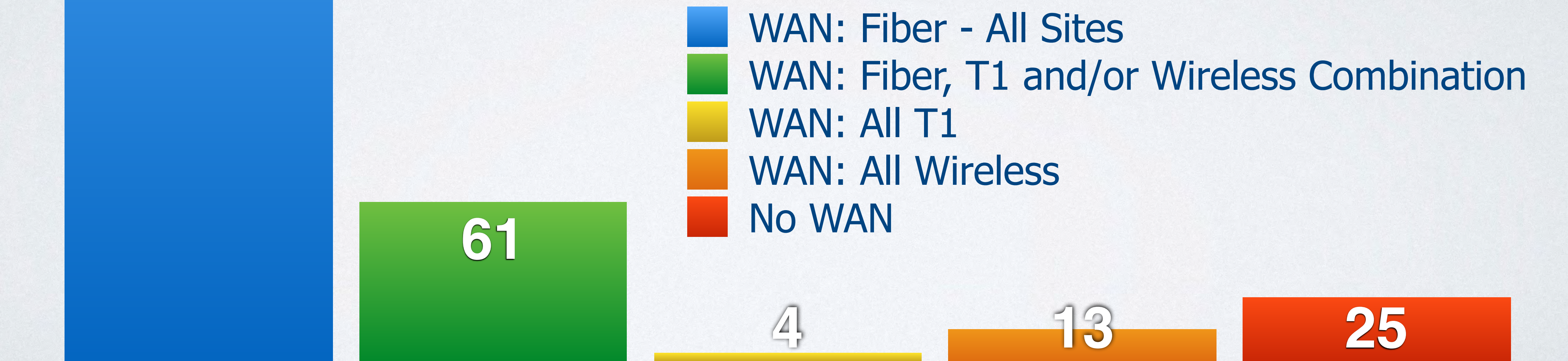
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Current Wide Area Network (WAN)

2018



Number of Districts



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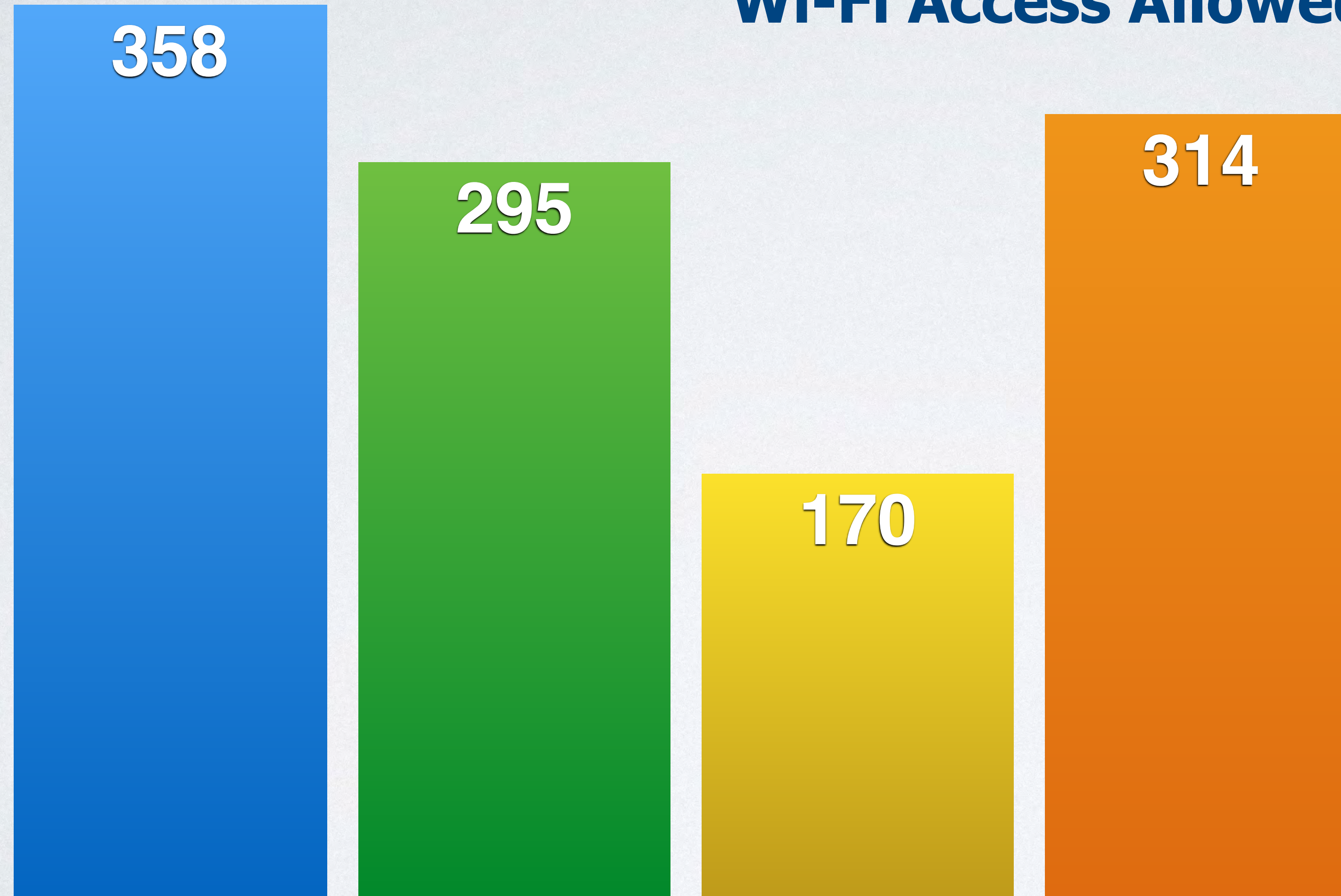
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Wi-Fi Access Allowed for:

2018



Number of Districts



- School devices
- Teacher BYOD
- Student BYOD
- Guests

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Are Devices Filtered Away from School?

2018



- Yes - same as school
- Yes - less restrictive
- Devices Stay at School
- No

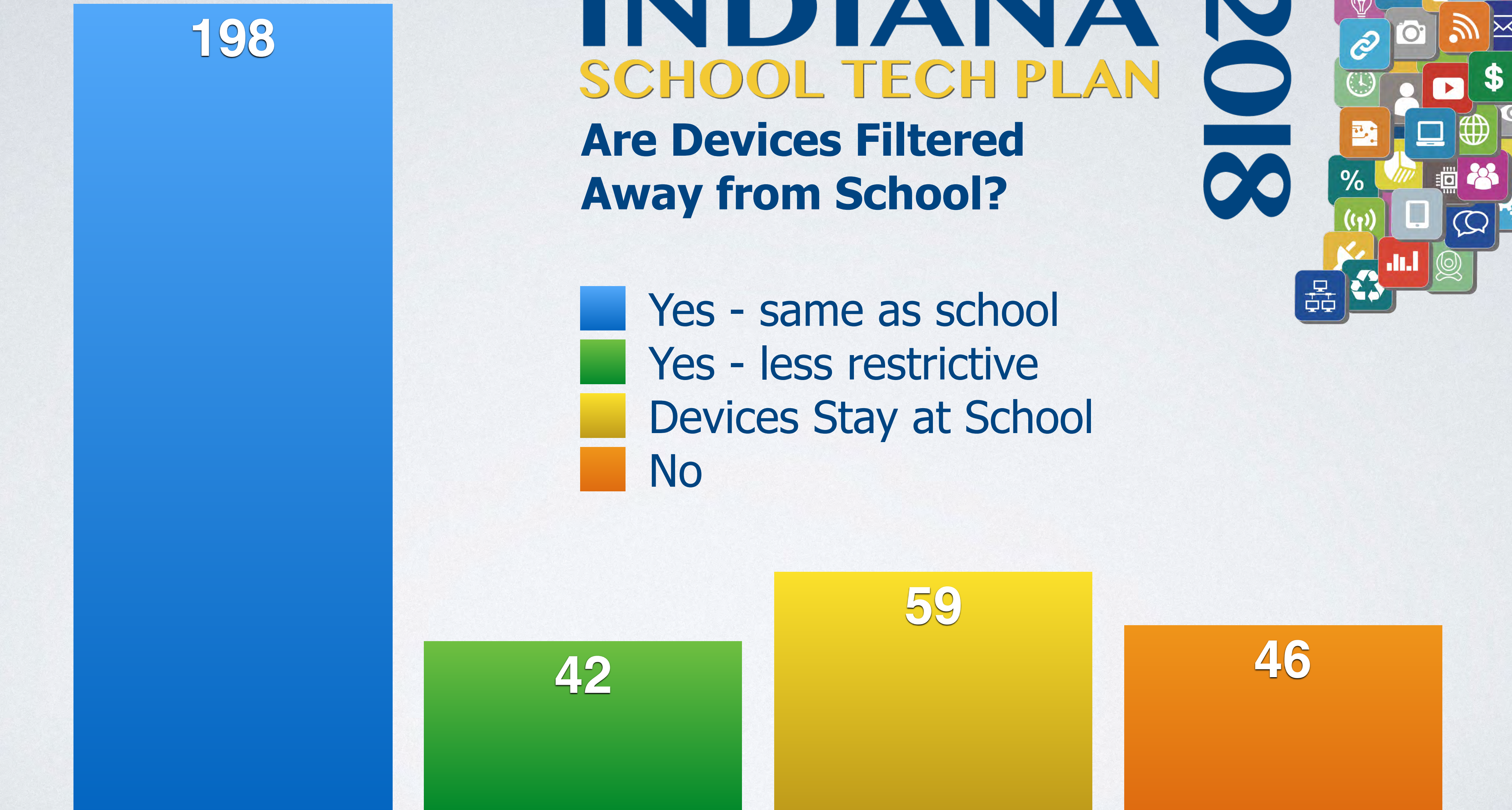
Number of Districts

198

42

59

46



Number of Districts

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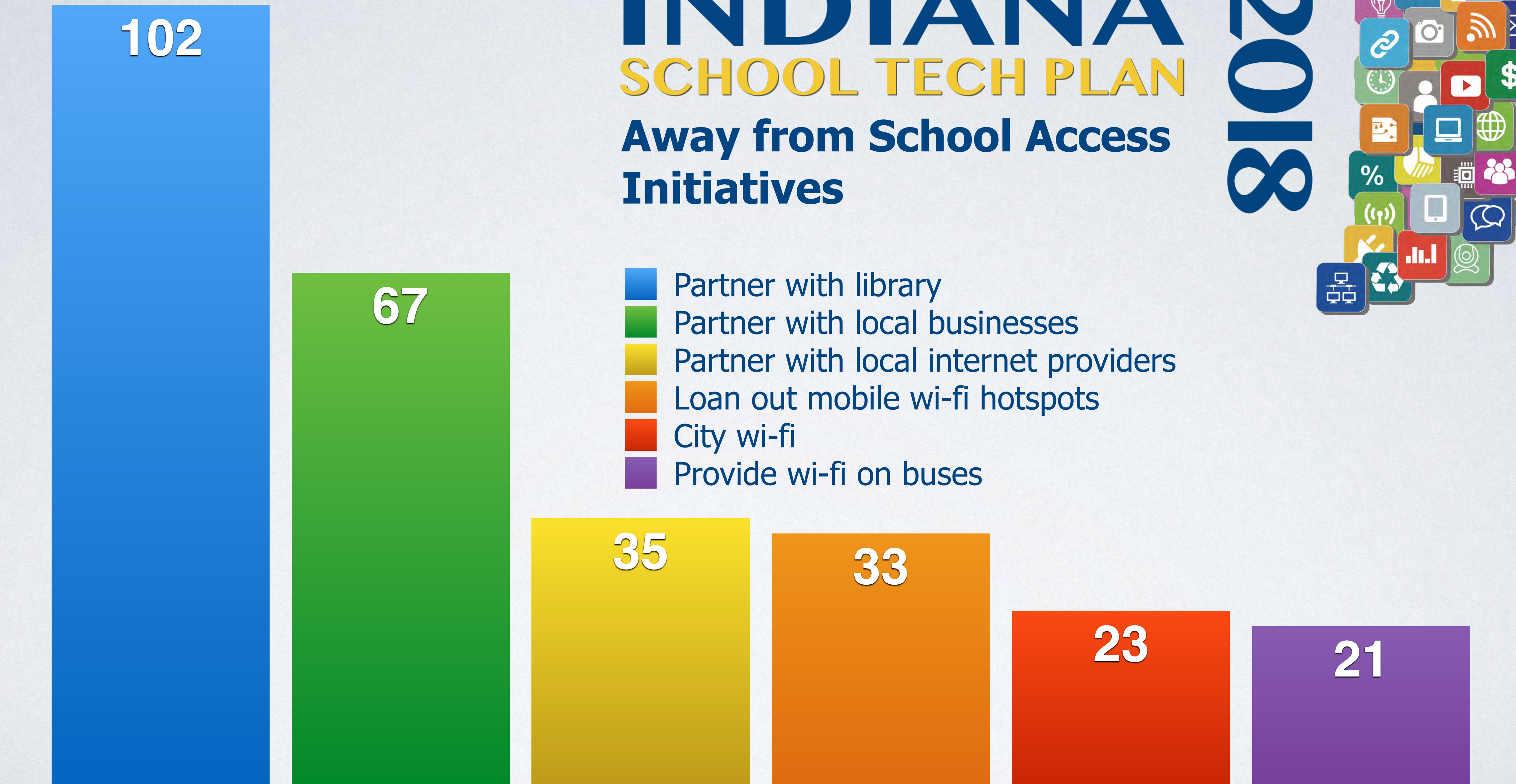
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Away from School Access Initiatives

2018



- Partner with library
- Partner with local businesses
- Partner with local internet providers
- Loan out mobile wi-fi hotspots
- City wi-fi
- Provide wi-fi on buses





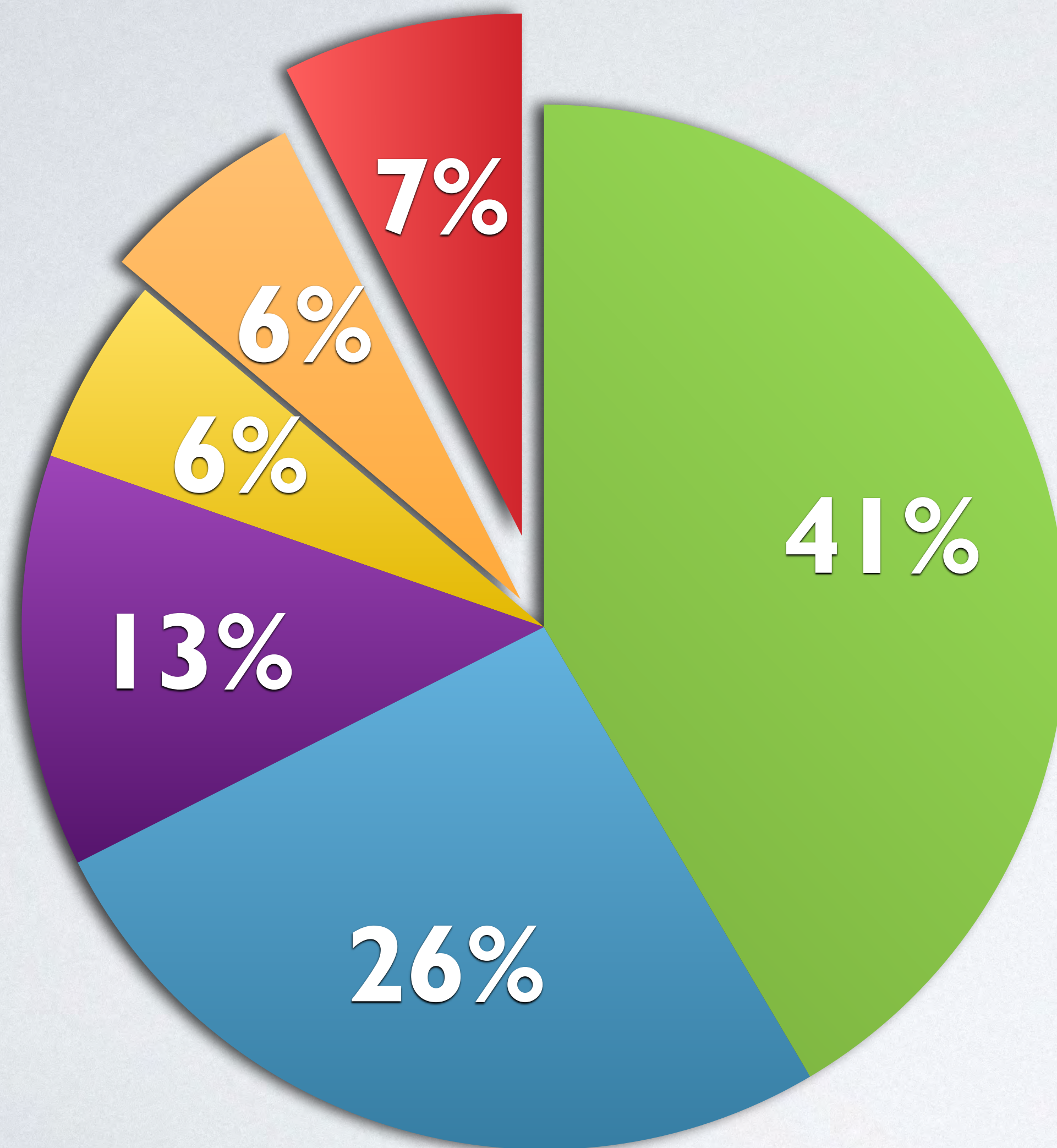
Devices

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District 1:1 Status

2018



% of districts that are:

- 1:1 at all grade levels
- 1:1 at most grade levels
- 1:1 in some grade levels
- Planning to launch 1:1 next year
- Studying/considering a 1:1
- No current plans to go 1:1

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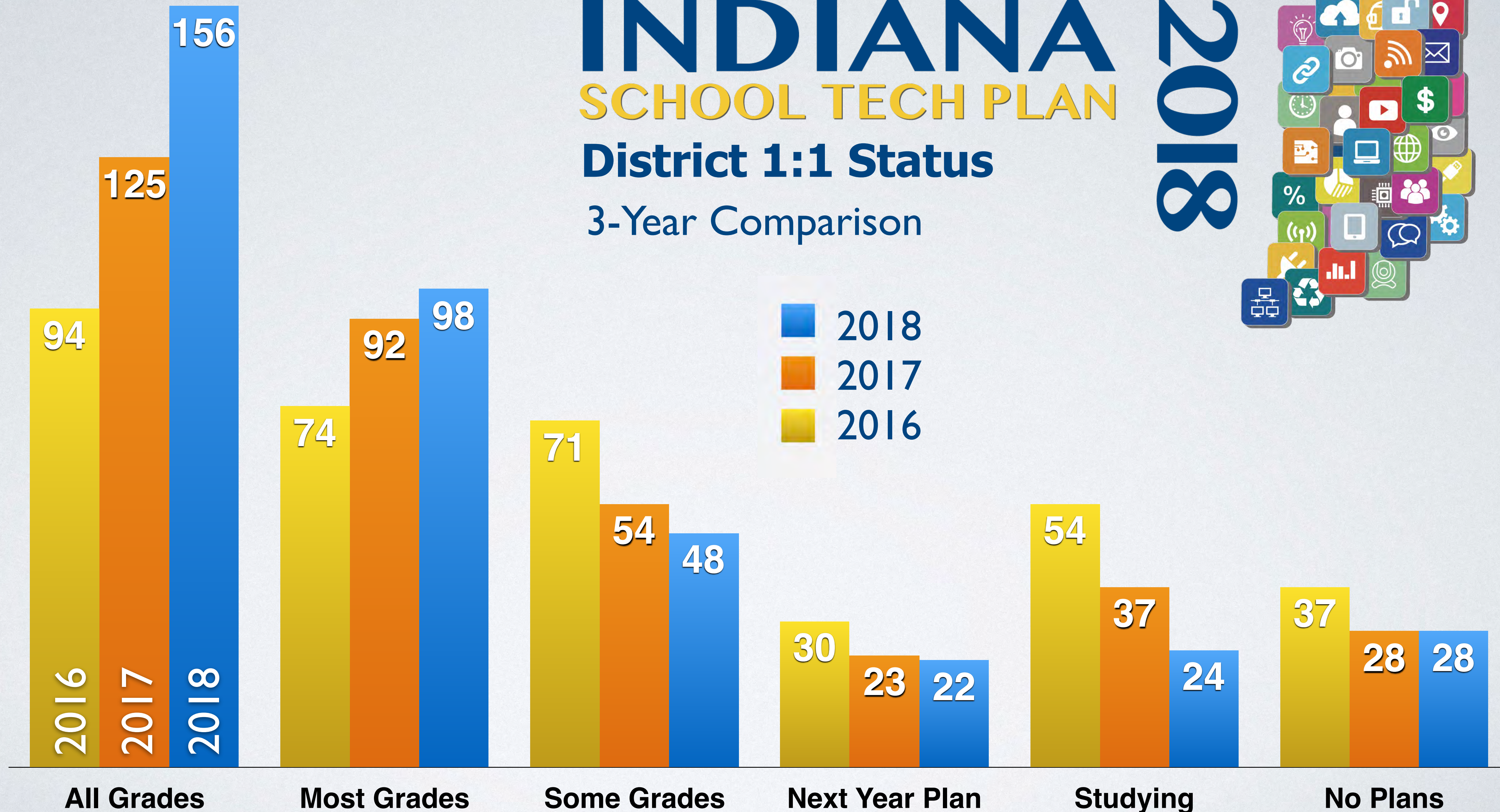
District 1:1 Status

3-Year Comparison

2018



Number of Districts



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**1:1 District Numbers
by Grade**

2018



Number of Districts

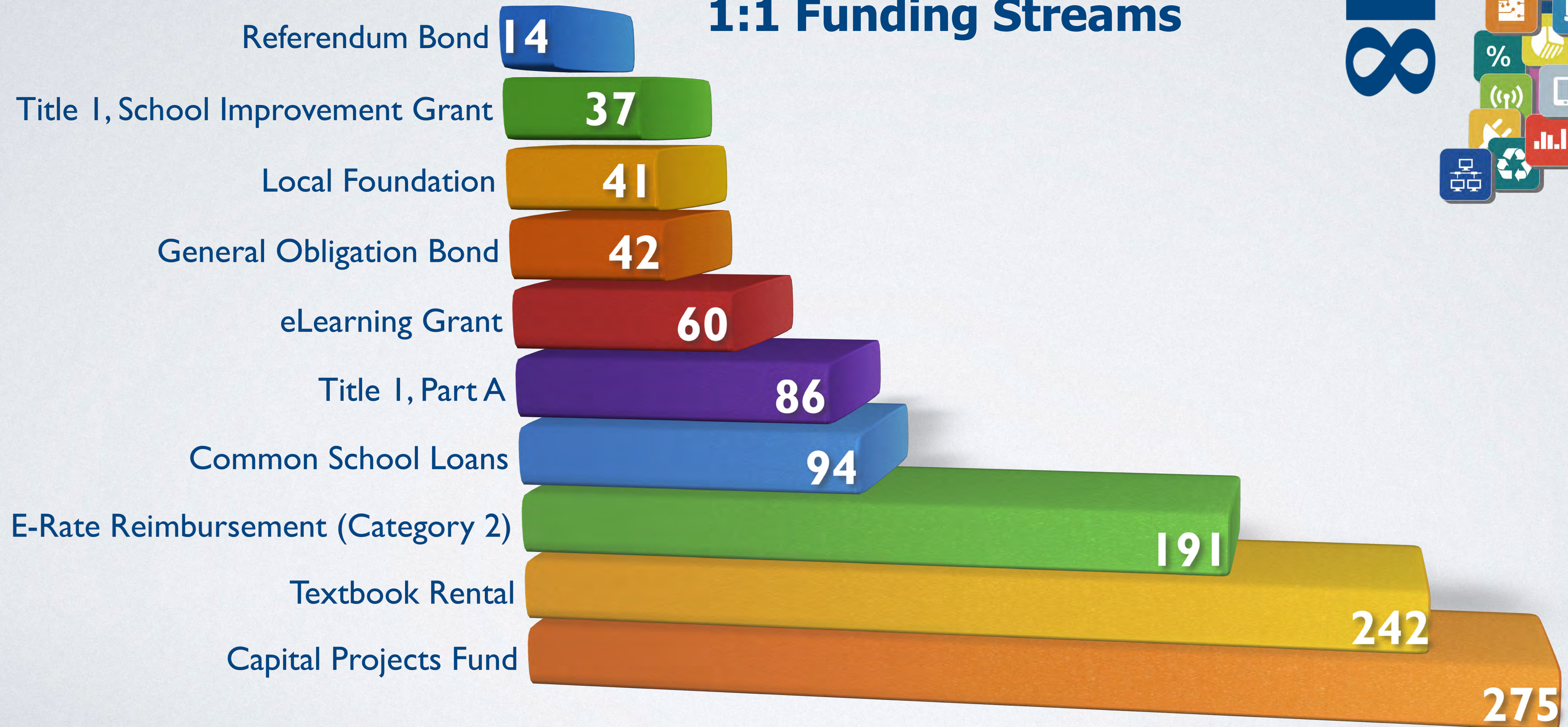


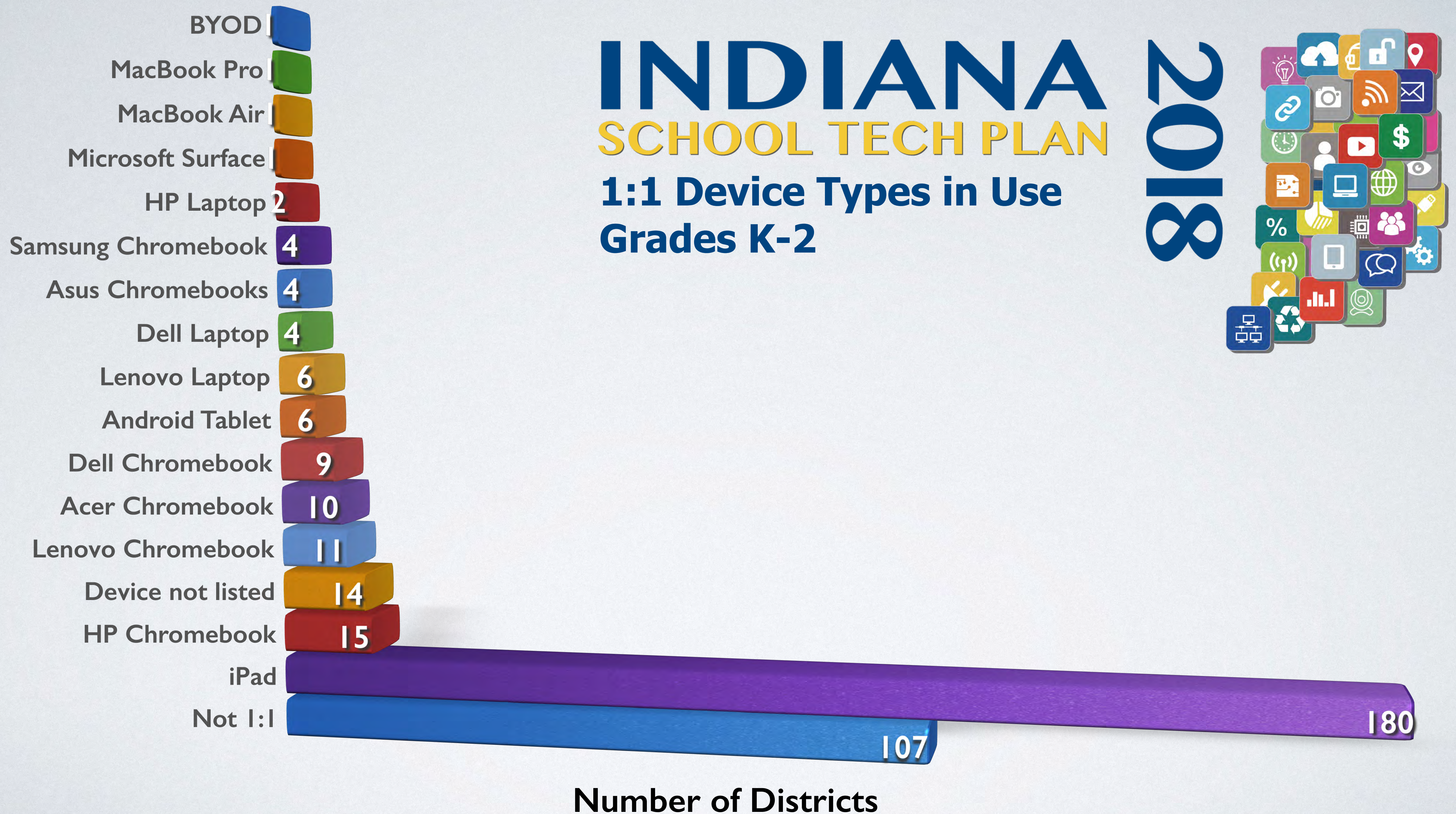
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1:1 Funding Streams

2018





Number of Districts

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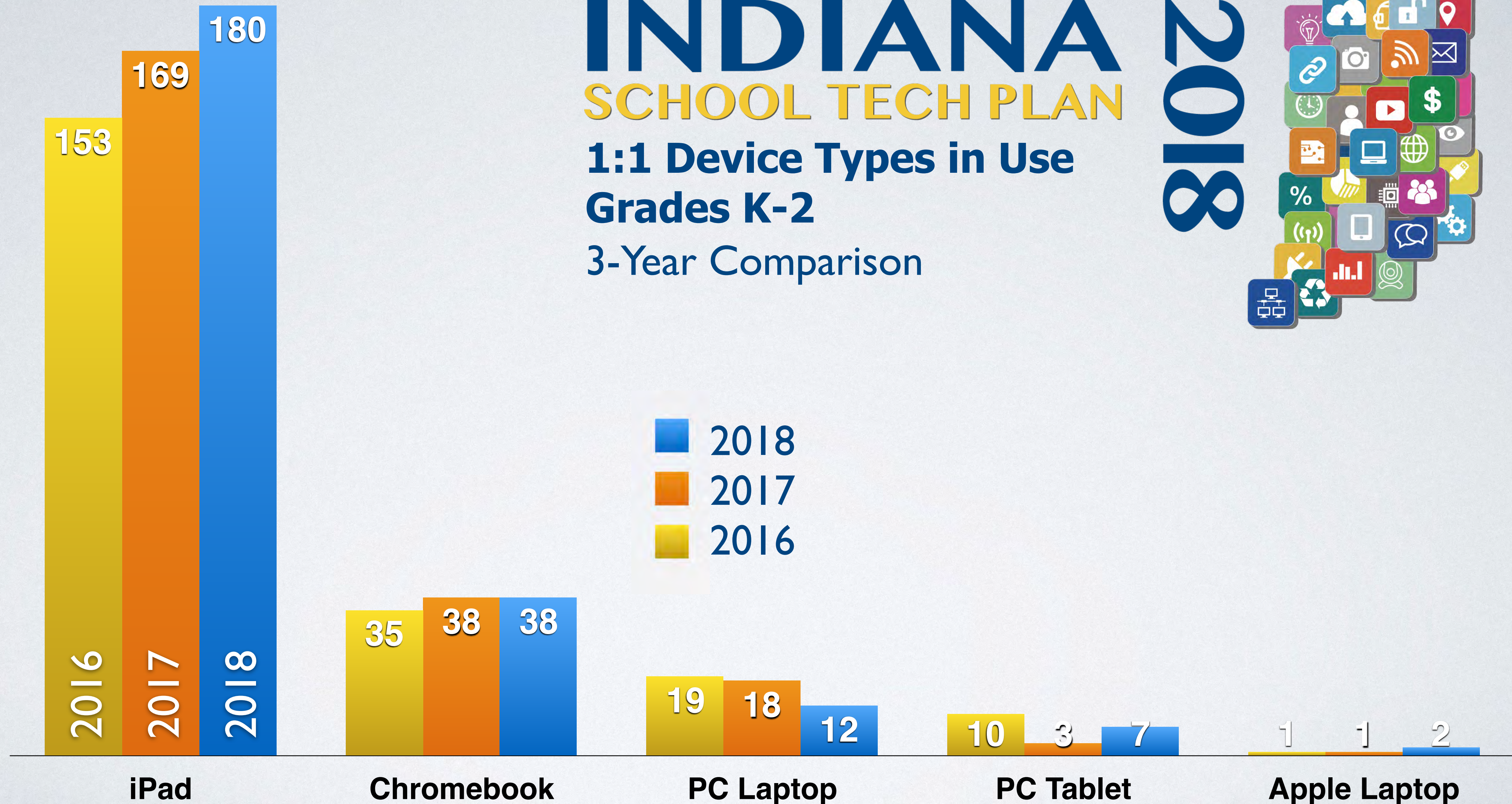
1:1 Device Types in Use
Grades K-2

3-Year Comparison

2018



2018
2017
2016

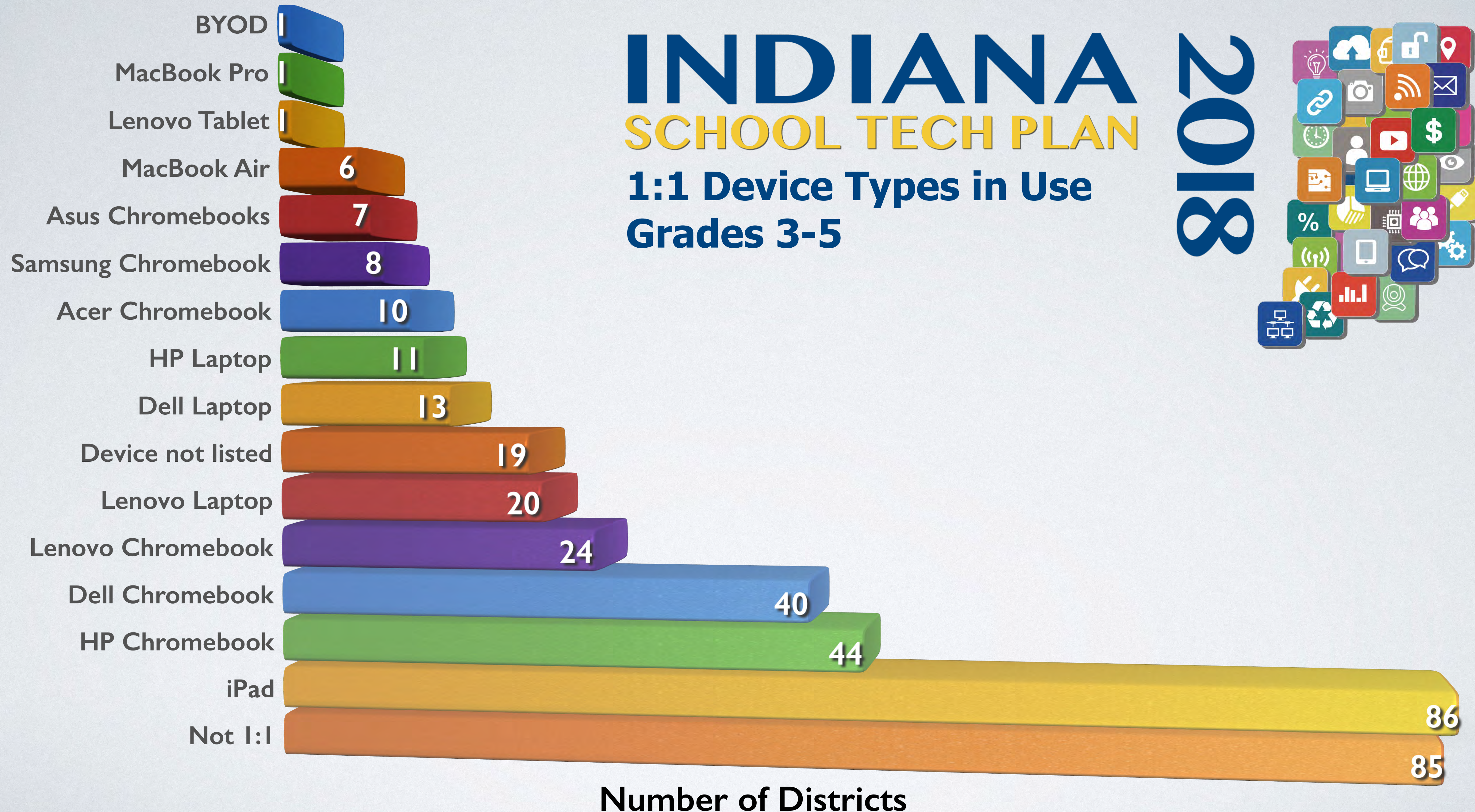


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1:1 Device Types in Use Grades 3-5

2018



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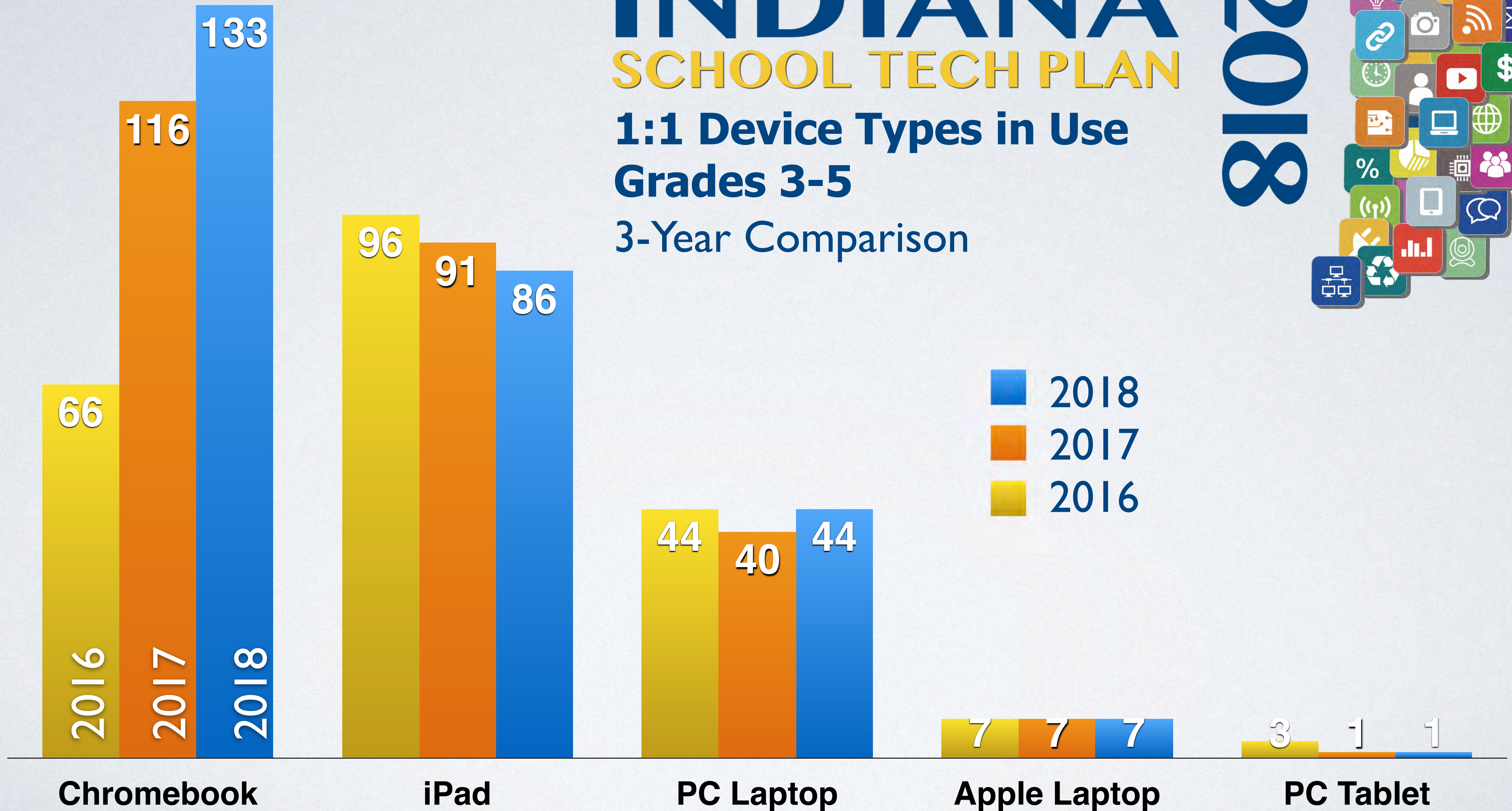
1:1 Device Types in Use Grades 3-5

3-Year Comparison

2018



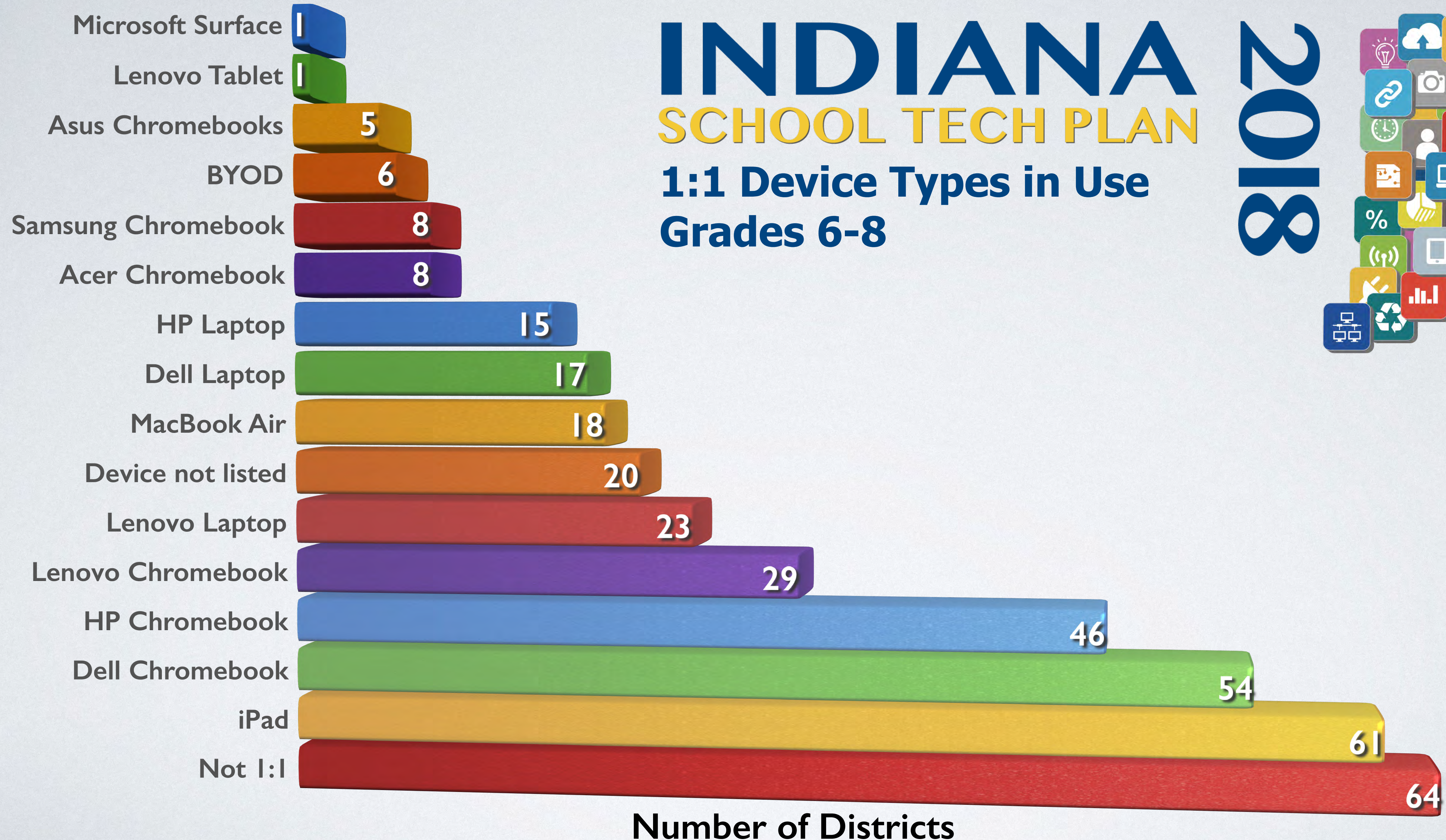
Number of Districts



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1:1 Device Types in Use Grades 6-8

2018



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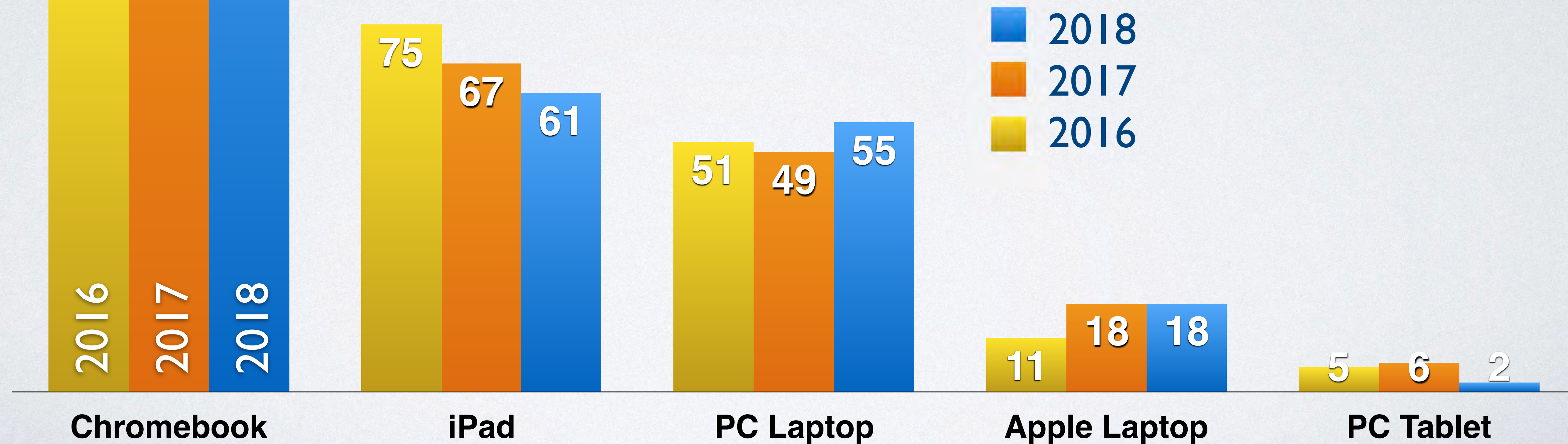
1:1 Device Types in Use Grades 6-8

3-Year Comparison

2018



Number of Districts

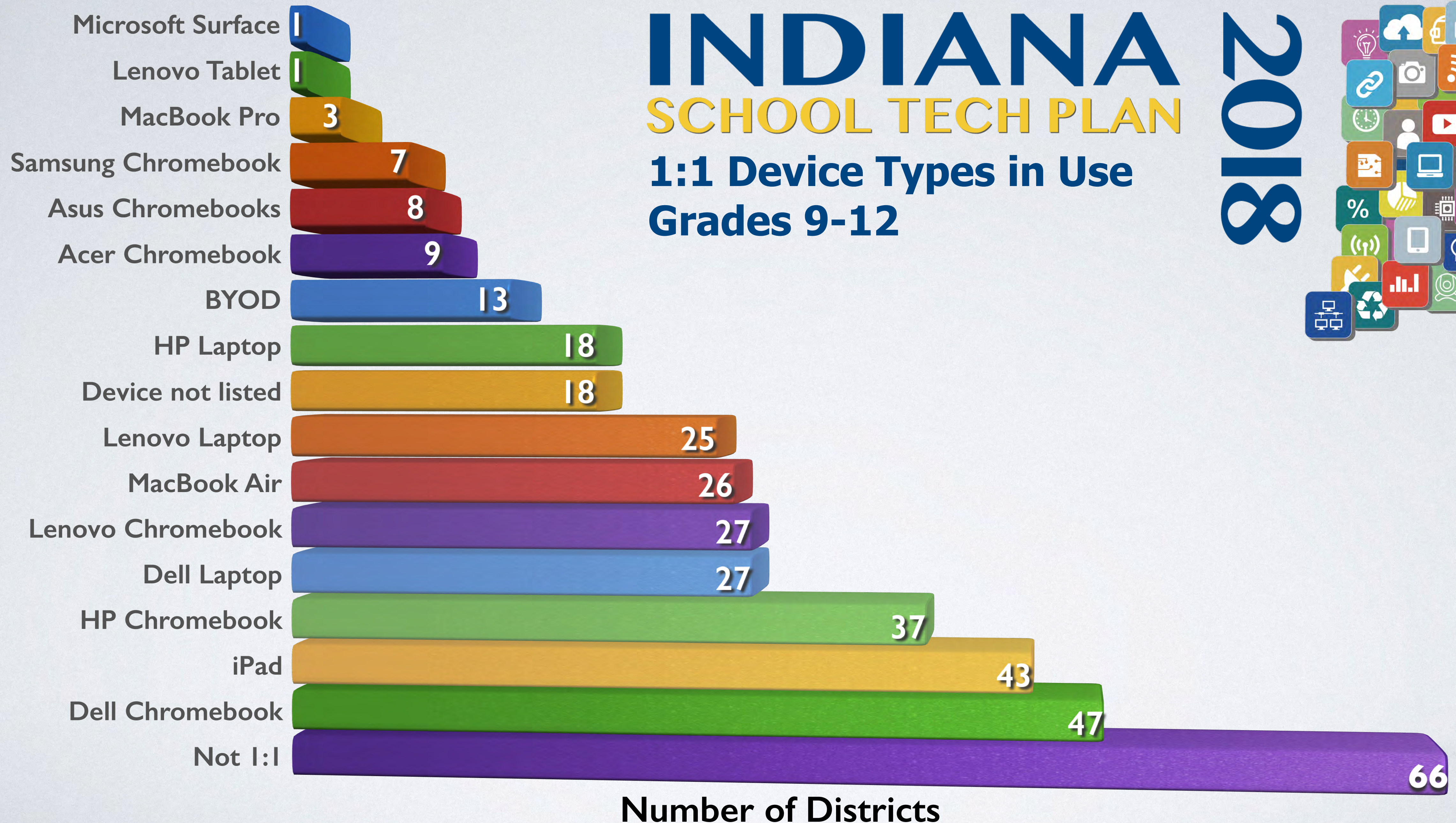


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1:1 Device Types in Use Grades 9-12

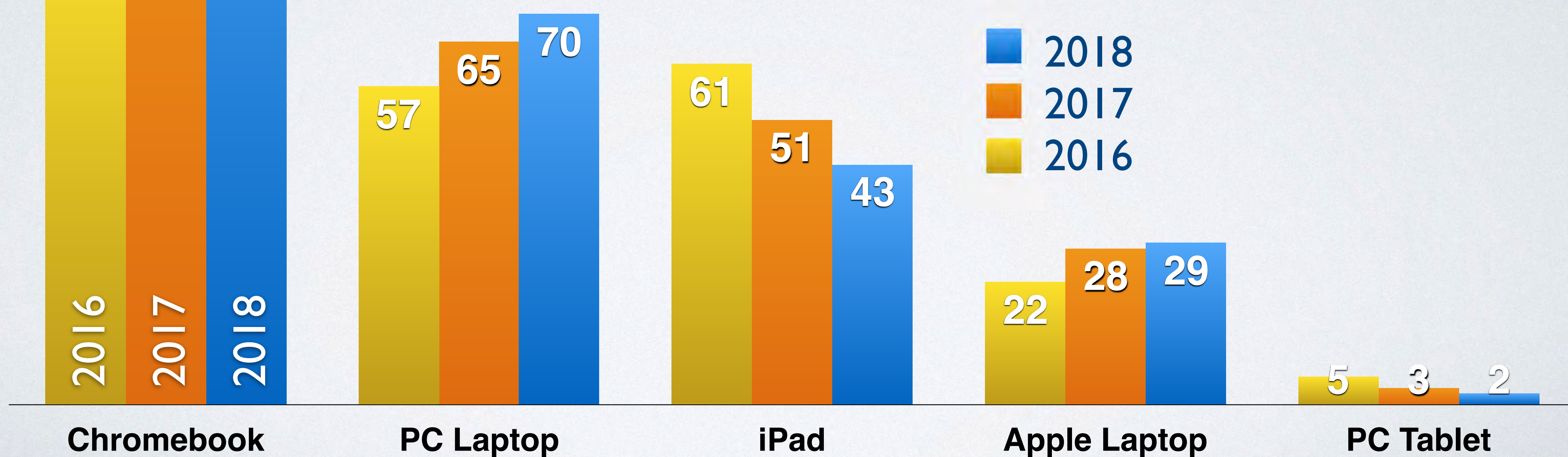
2018



1:1 Device Types in Use Grades 9-12

3-Year Comparison

2018





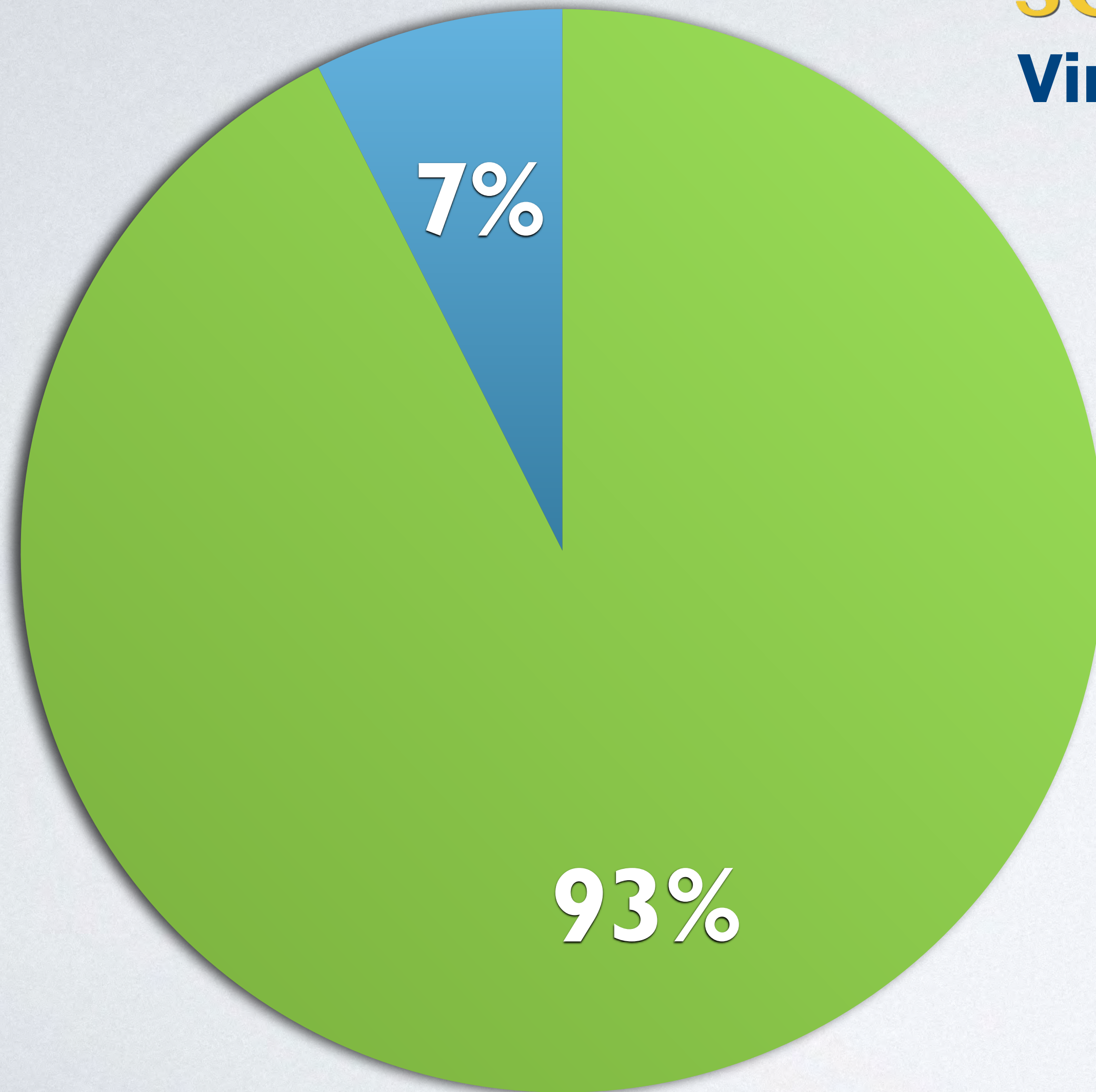
Virtual Learning

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Virtual Learning Access

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Do your students currently have access to online courses?

- Yes
- No

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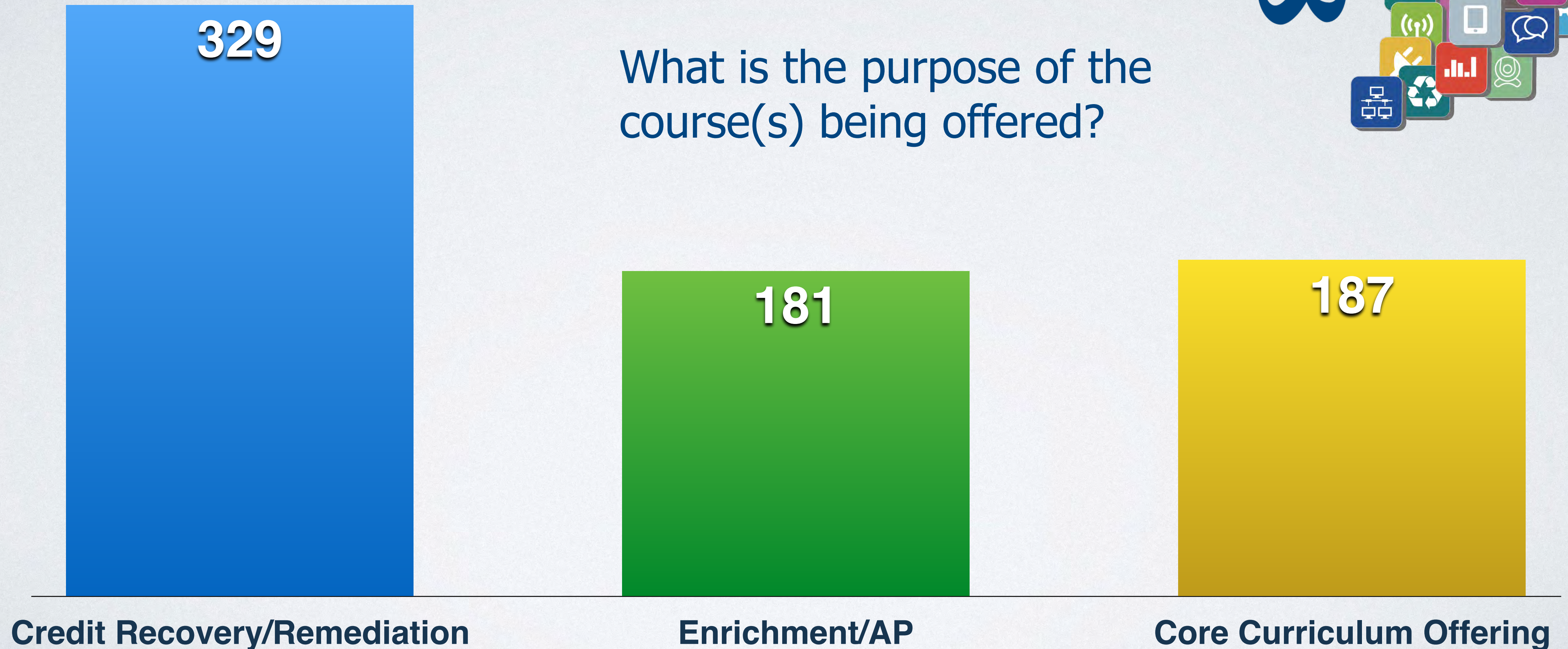
Virtual Learning Purpose

2018



What is the purpose of the course(s) being offered?

Number of Districts



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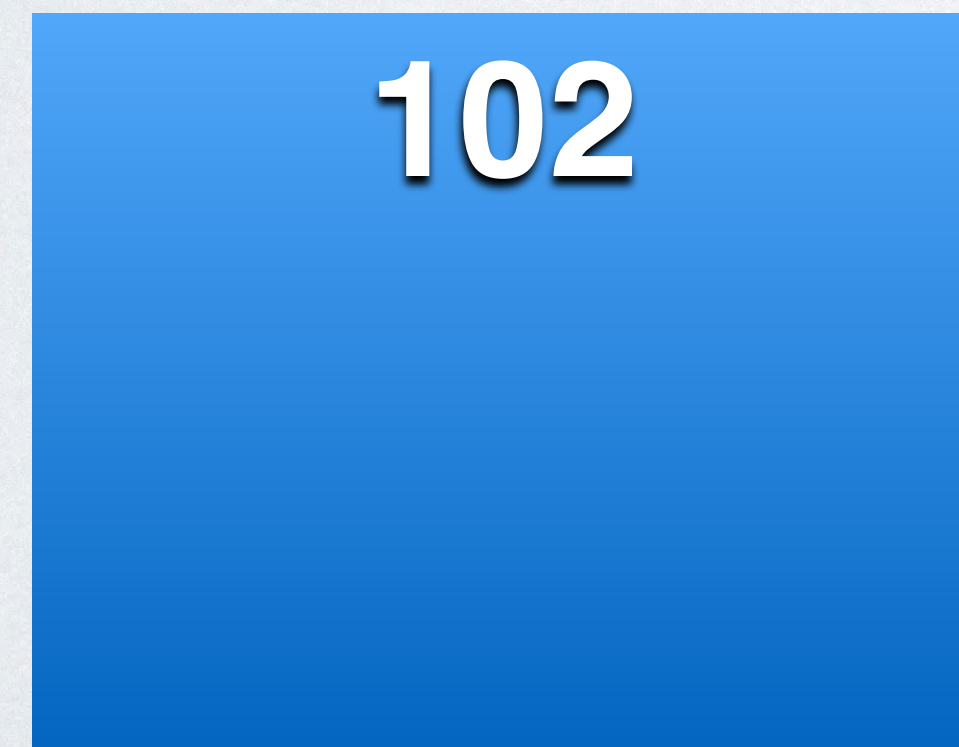
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Virtual Learning Content Types

2018



Number of Districts



Teacher Built/Taught



Purchased/Taught



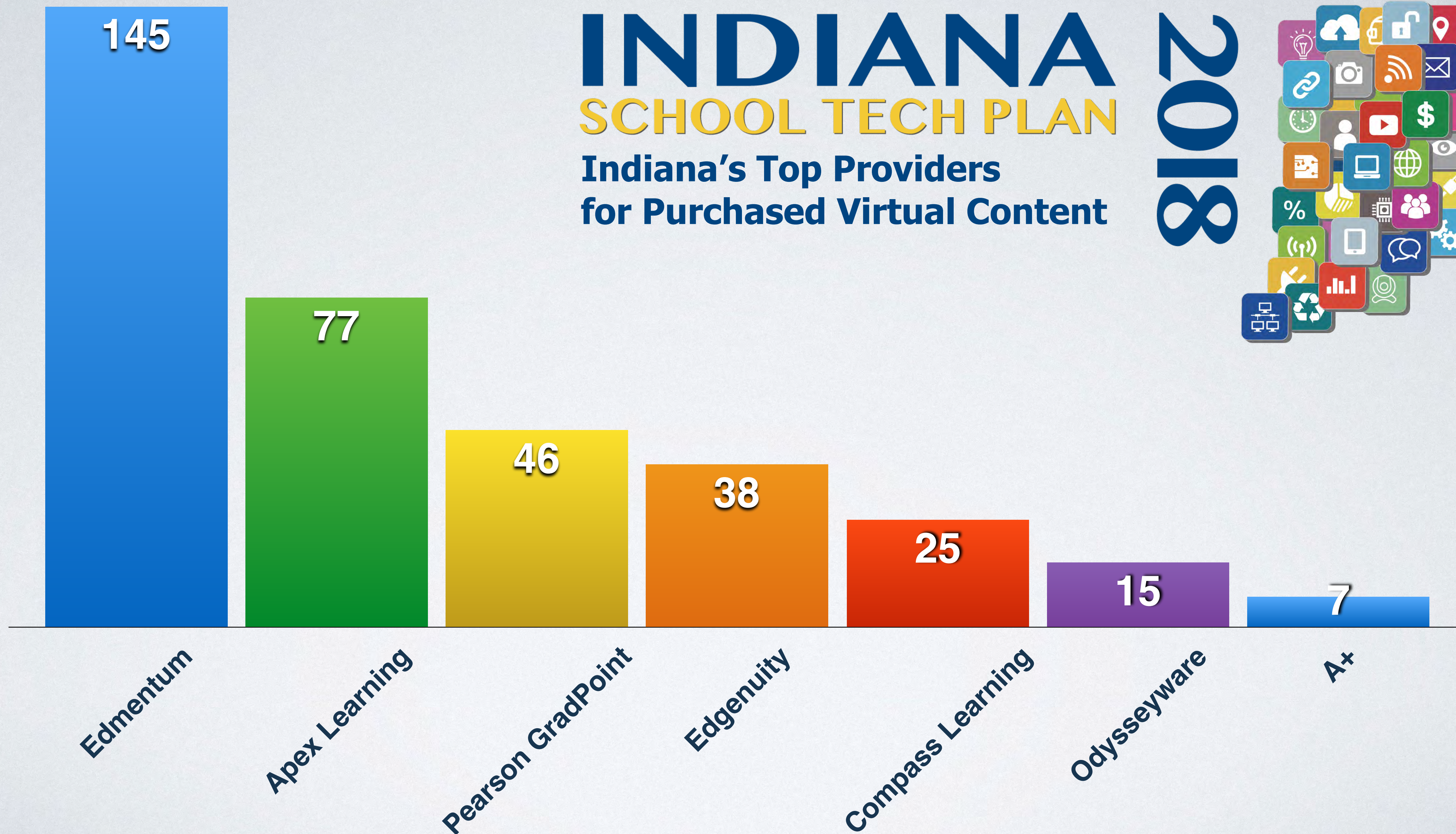
Facilitated Externally

Number of Districts

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Indiana's Top Providers
for Purchased Virtual Content

2018



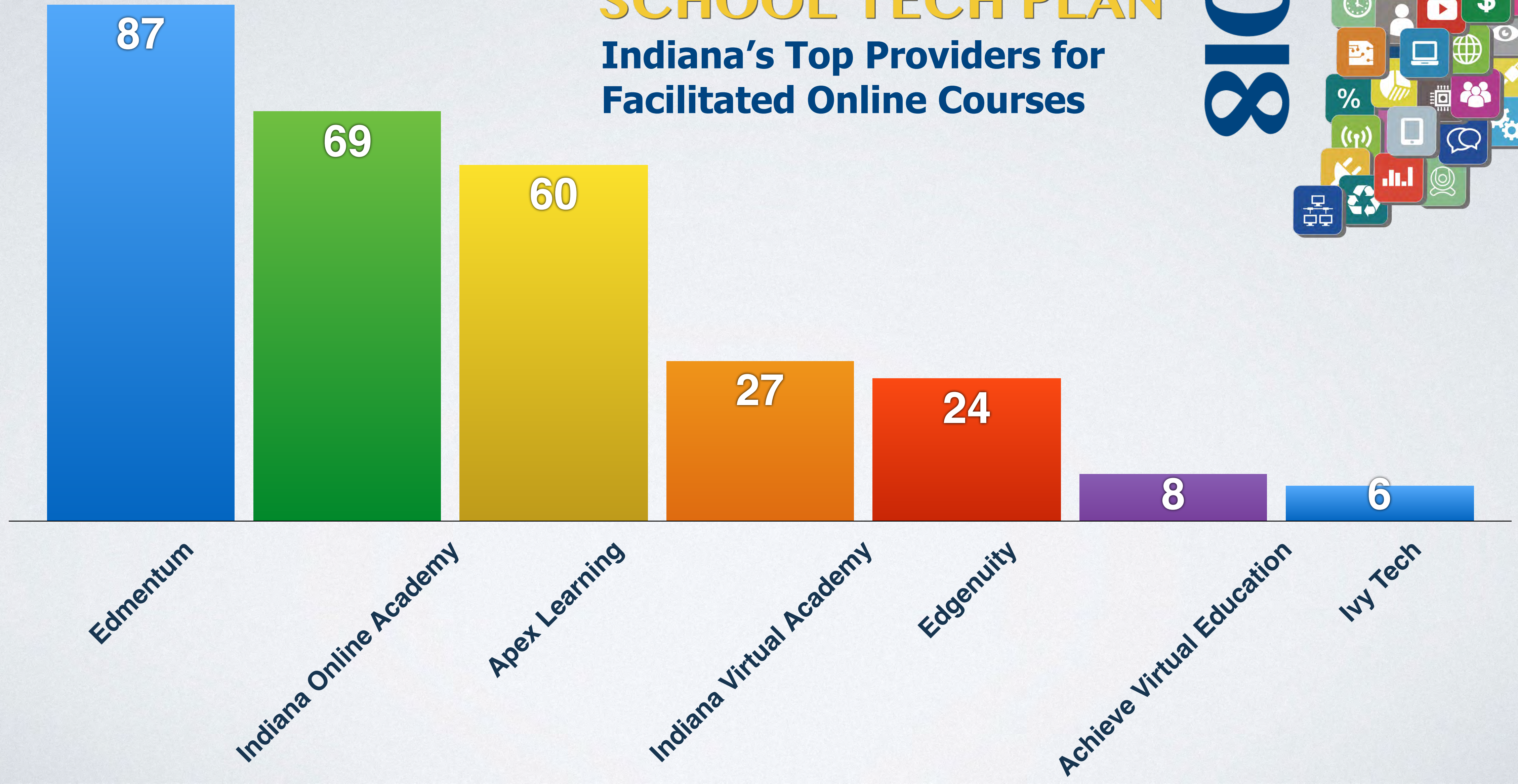
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Indiana's Top Providers for
Facilitated Online Courses

2018



Number of Districts



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Staffing

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Technology Lead Titles

2018



Number of Positions

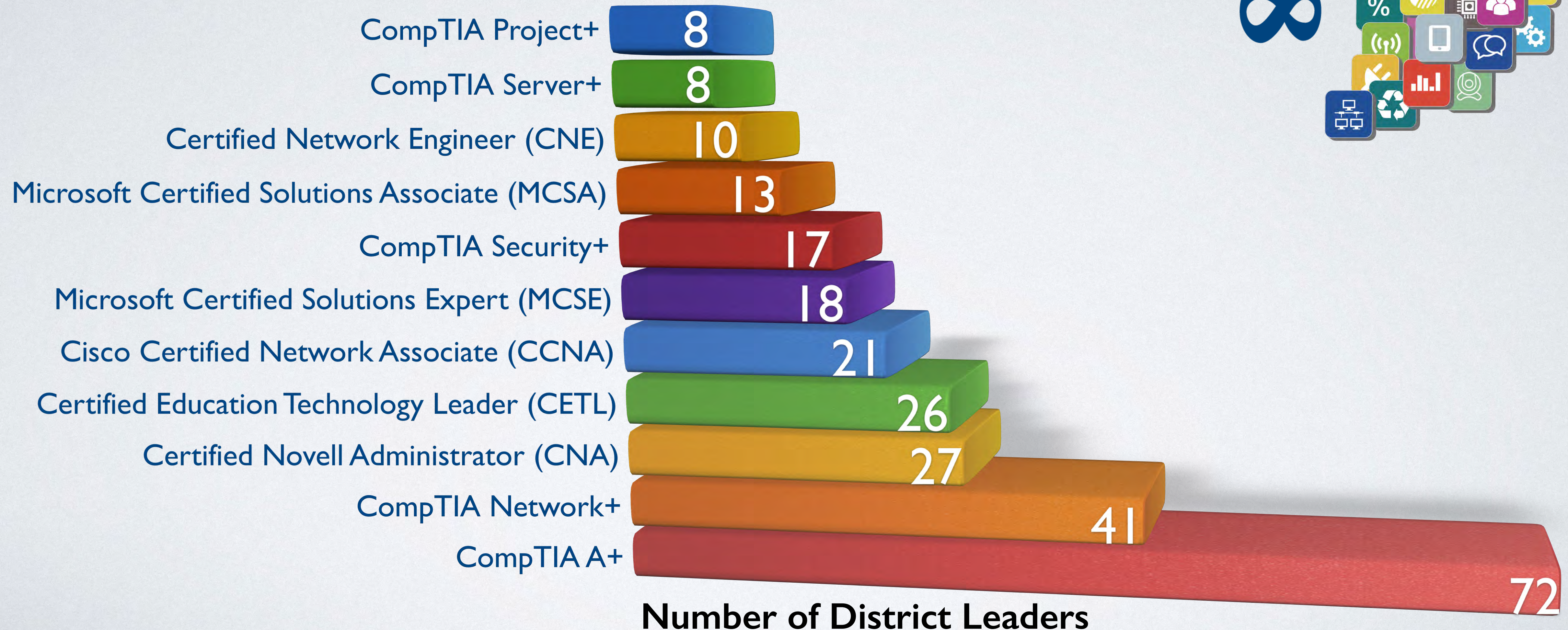


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Technology Lead Certifications

2018

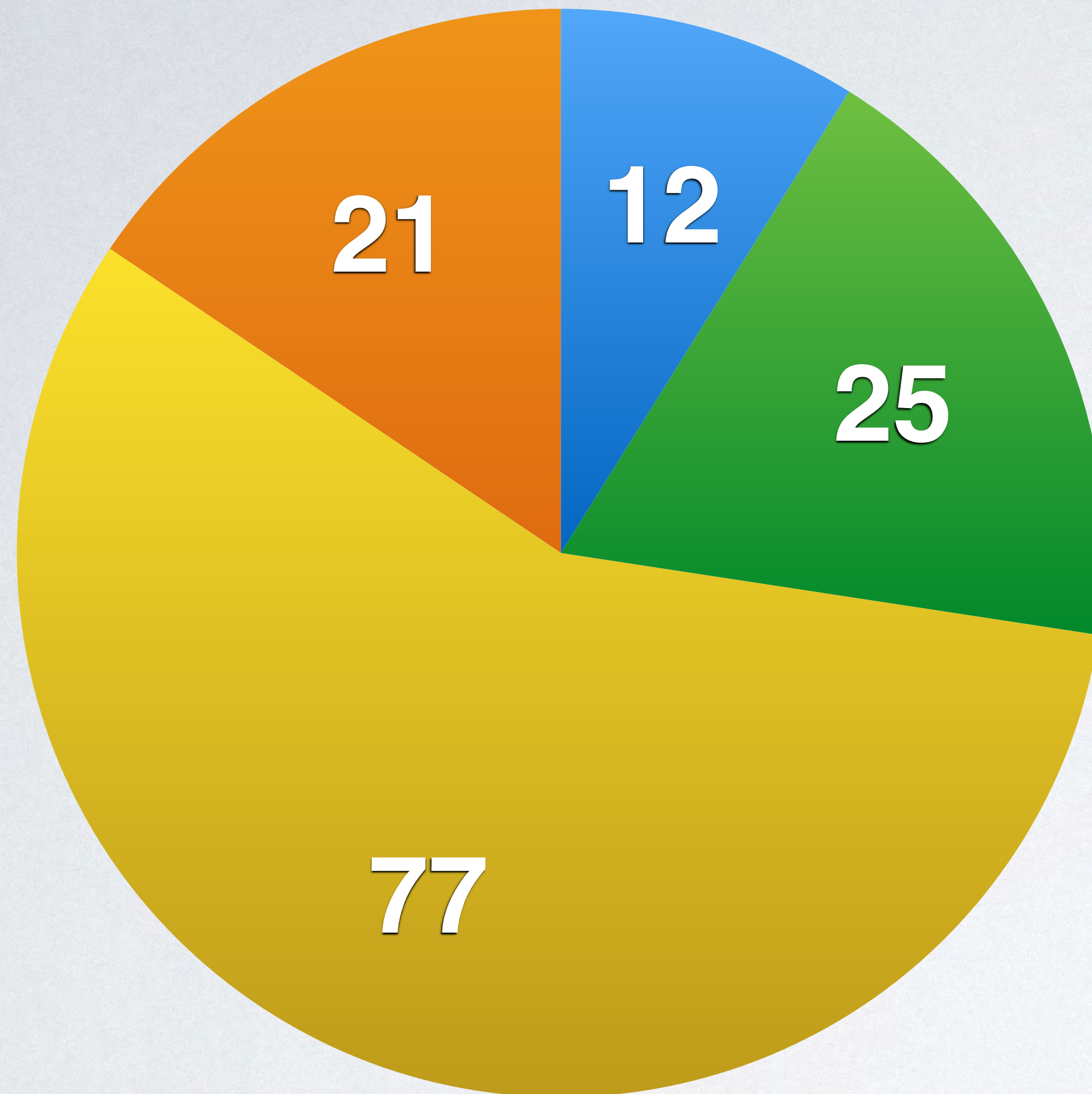


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**Support Technicians
FTE per 1,000 users**

2018



- 3-5
- 2-3
- 1-2
- 0-1

Average District Techs:

1.7 per 1,000 users (or 1 Tech for every 585 users)

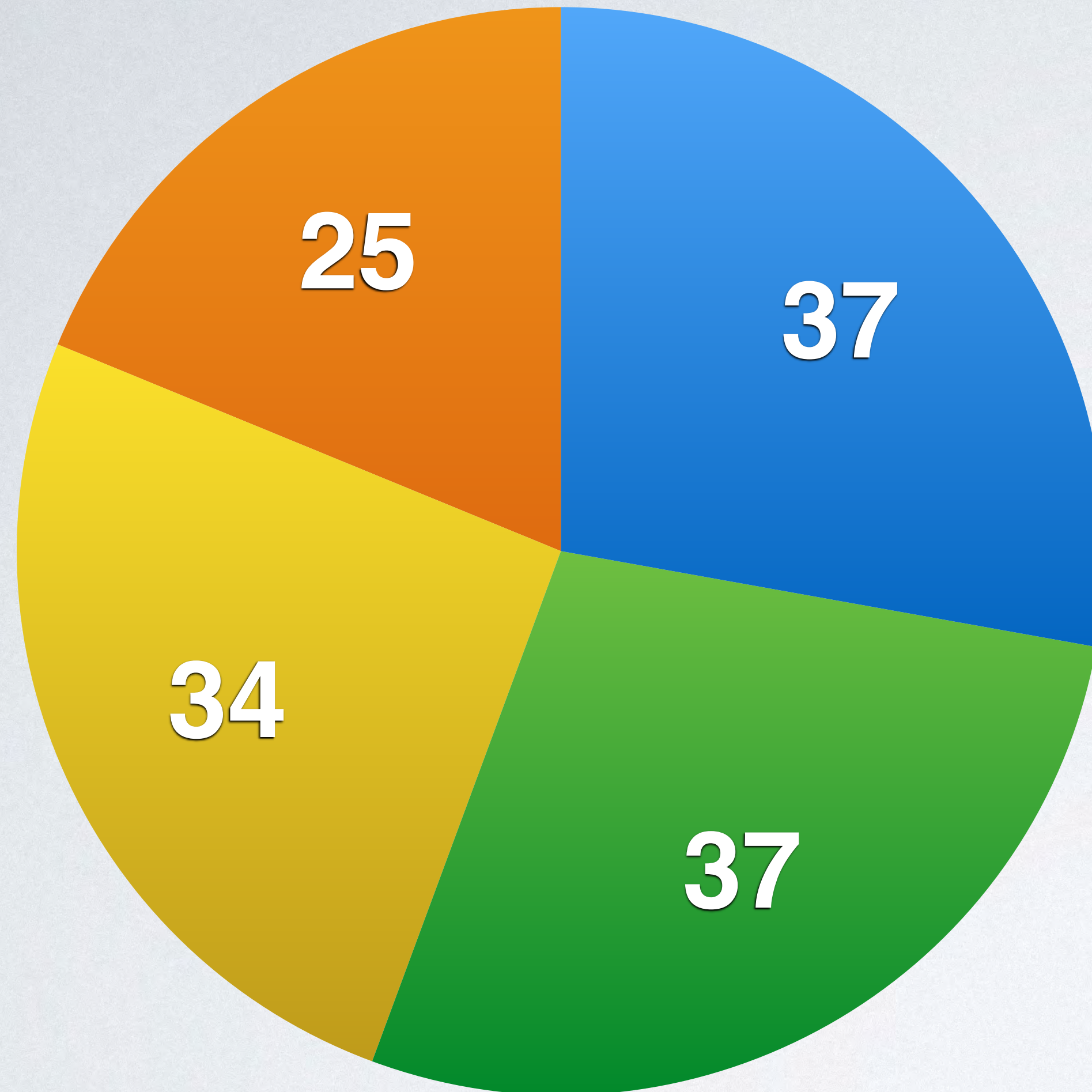
Complete 1:1 Districts

Data represents 135 Indiana districts that are 1:1 at all levels (K-12), and have more than 500 total users

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**Integration Coaches
FTE per 1,000 users**

2018



- 1-3
- .5-1
- .1-.5
- 0

Average District Coaches:

.75 per 1,000 users (or 1 Coach for every 1325 users)

Complete 1:1 Districts

Data represents 135 Indiana districts that are 1:1 at all levels (K-12), and have more than 500 total users

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Platforms

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Collaboration & Productivity Platforms

2018



Google Apps for Education (323)					
				Microsoft 365 (136)	
				iWork (30)	
201				19	11
				92	
				33	
				N/A	
				19	

Number of Districts

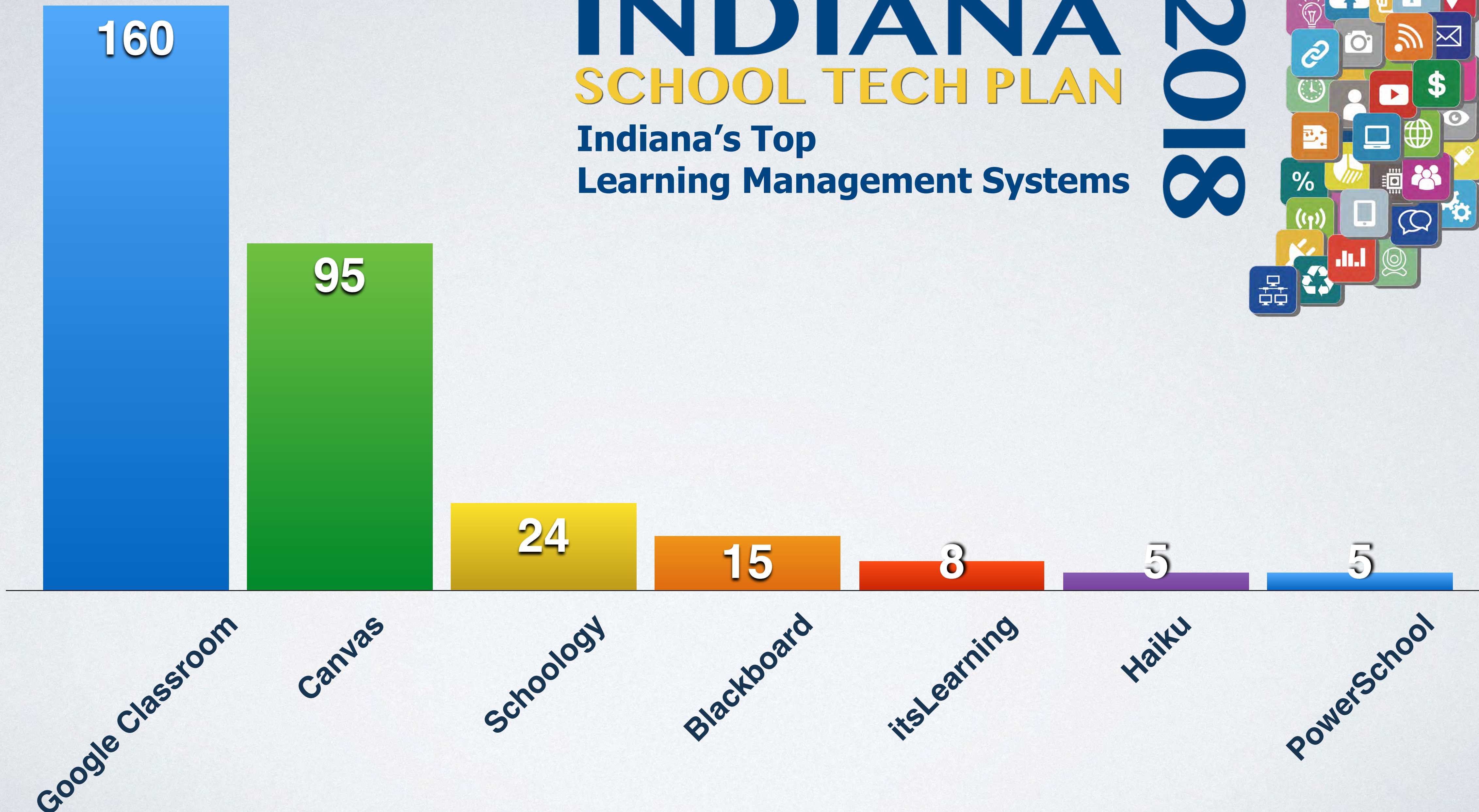
Number of Districts

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Indiana's Top
Learning Management Systems

2018



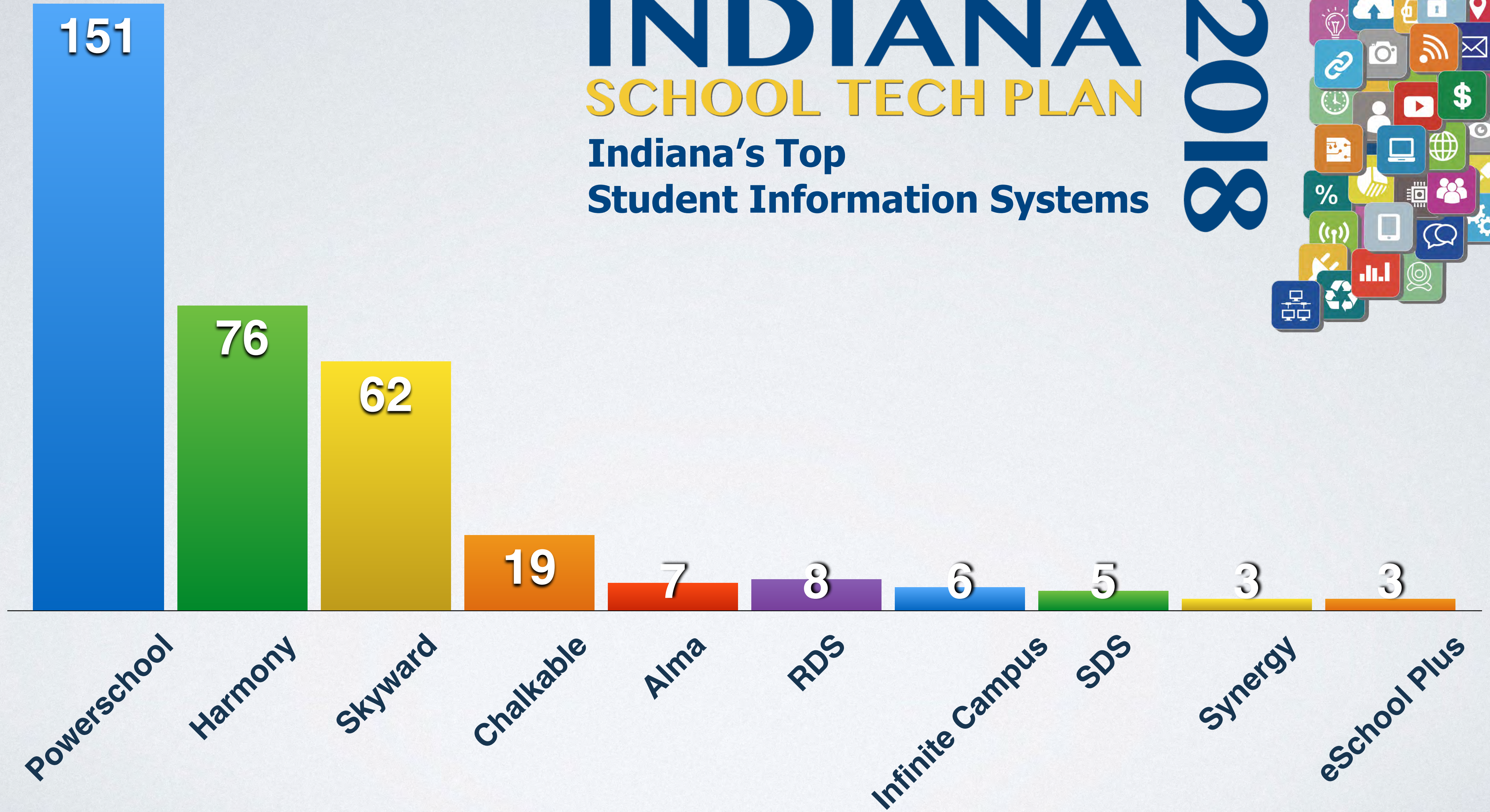
Number of Districts

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Indiana's Top Student Information Systems

2018





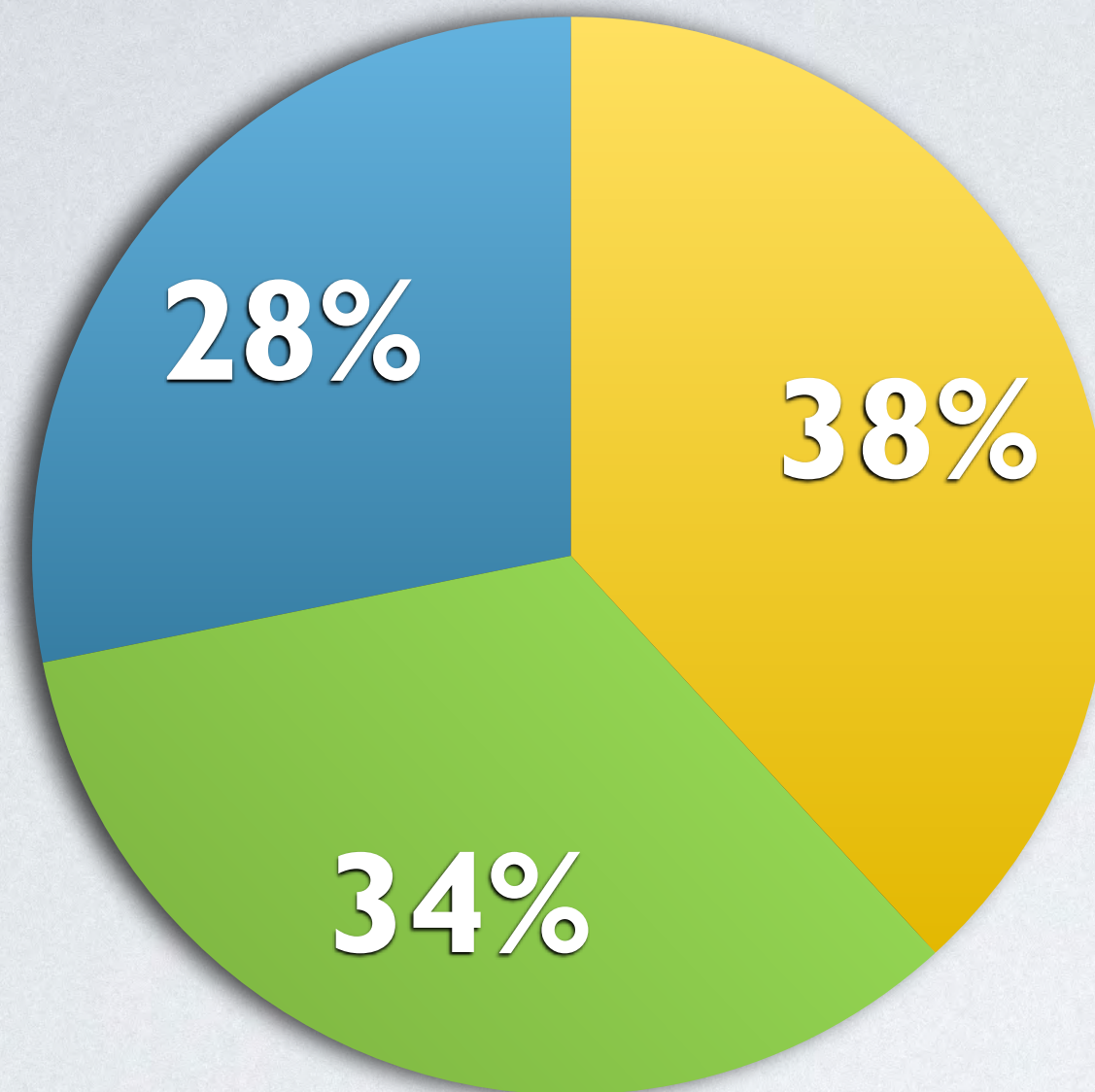
Digital Content

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Content Use Estimates

(By 1:1 Status)

2018



All 1:1



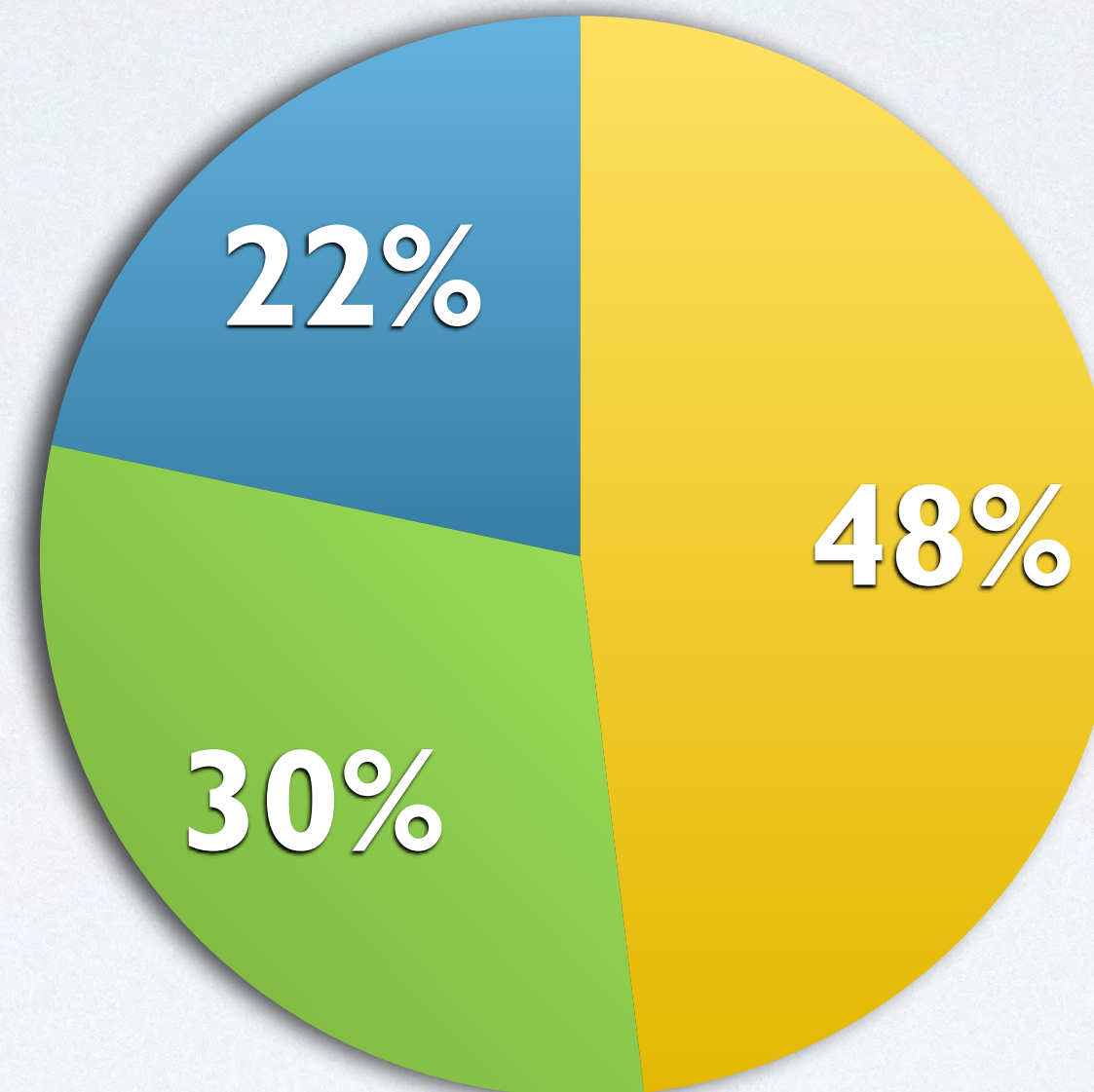
Physical Textbooks



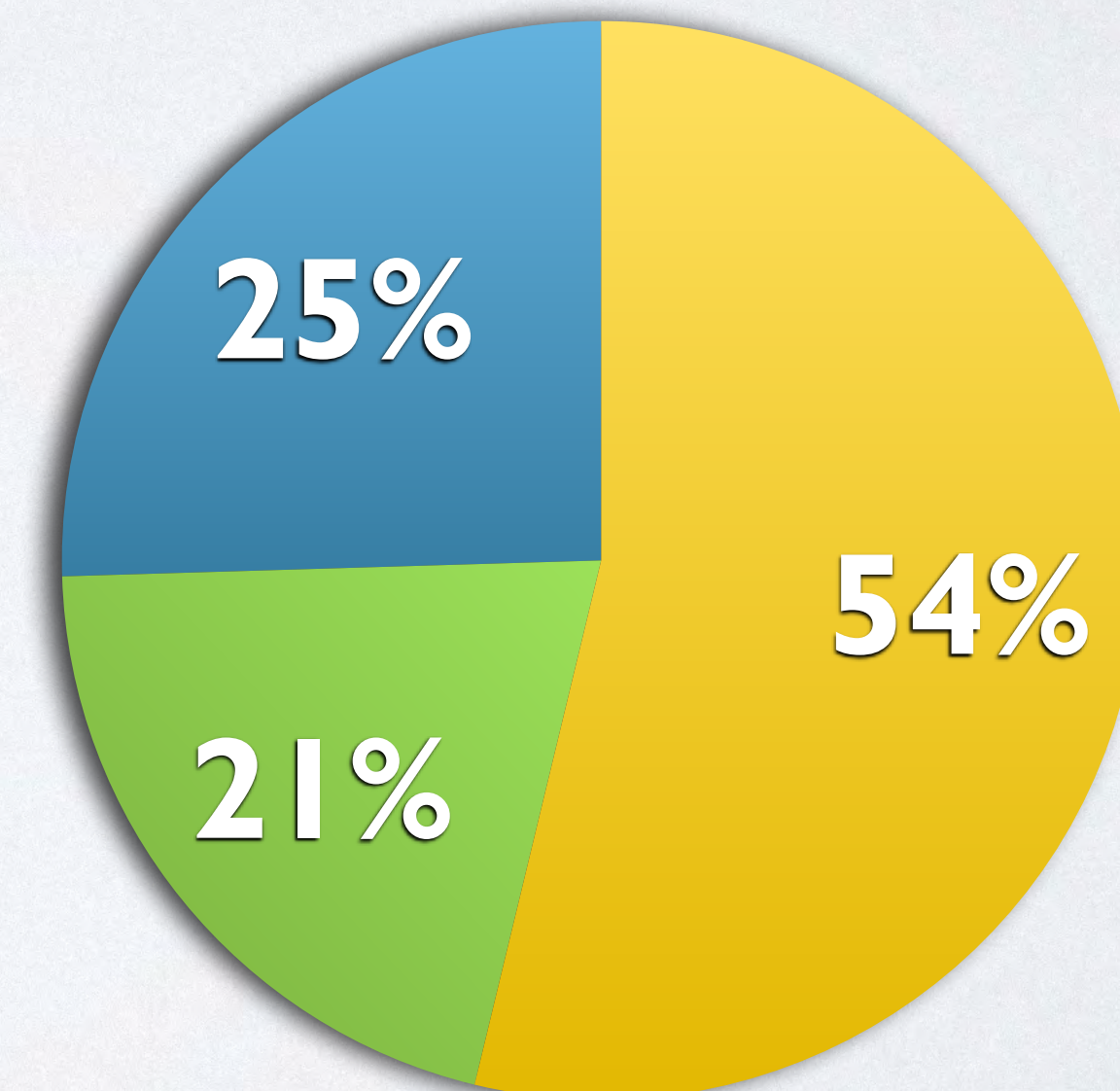
Purchased Digital Content



Teacher Created/Curated Digital Content



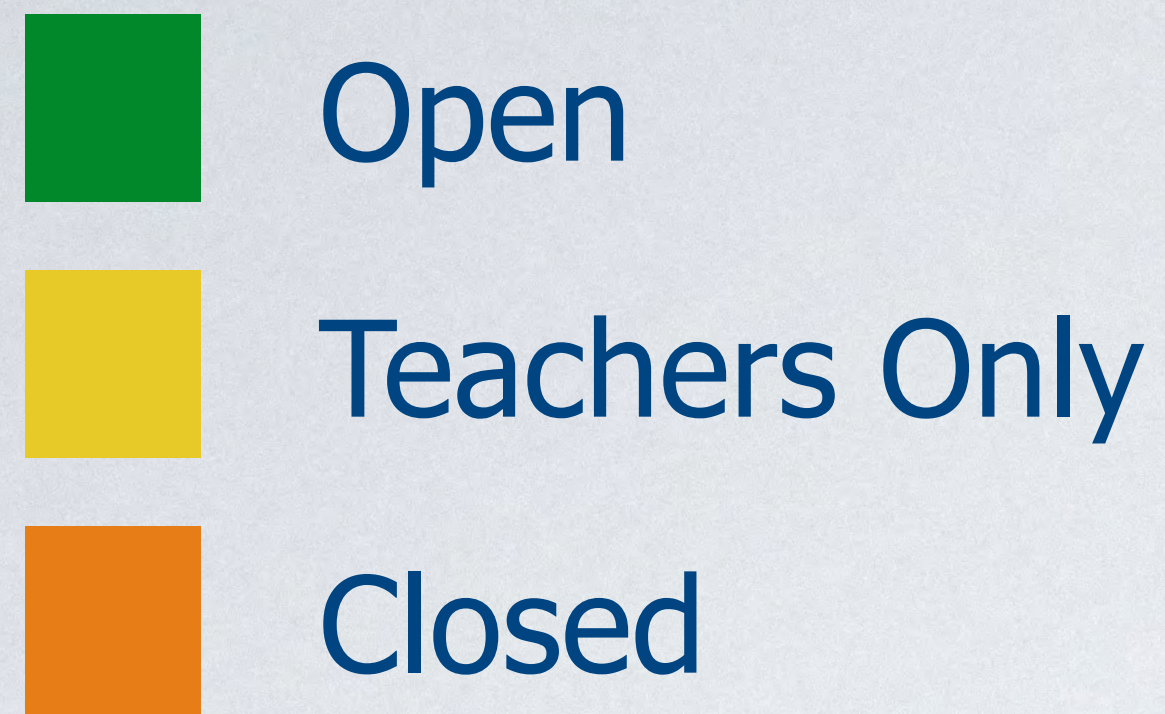
Partially 1:1



Not 1:1



Social Media

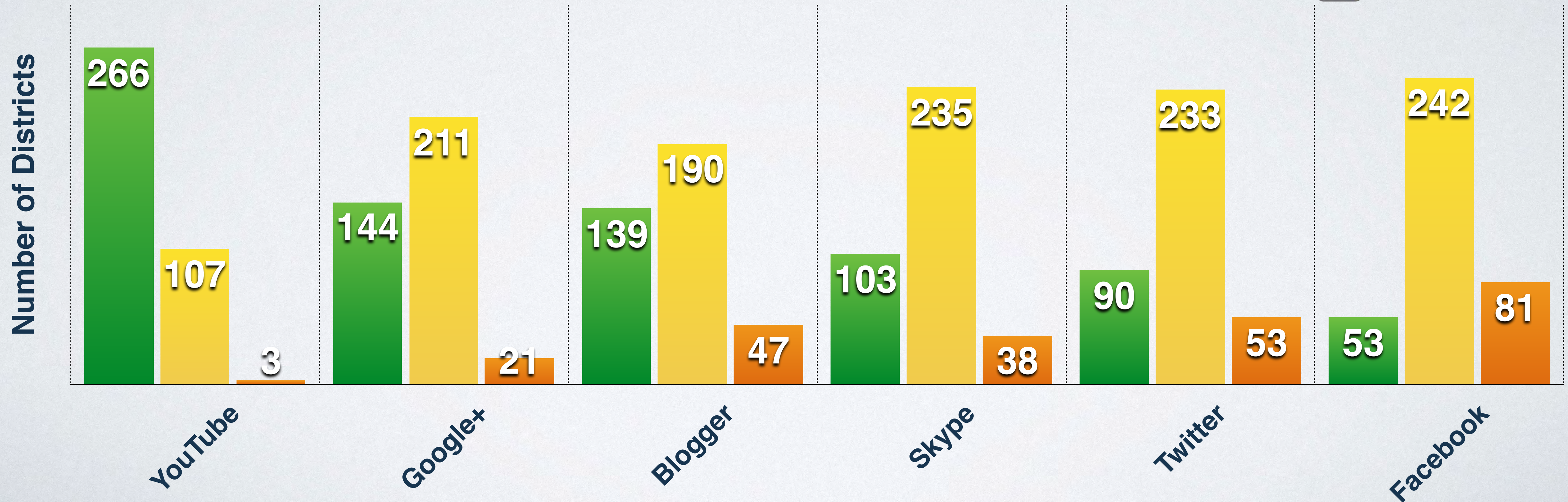


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Social Media Access

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Social Media Access

3-Year Comparison

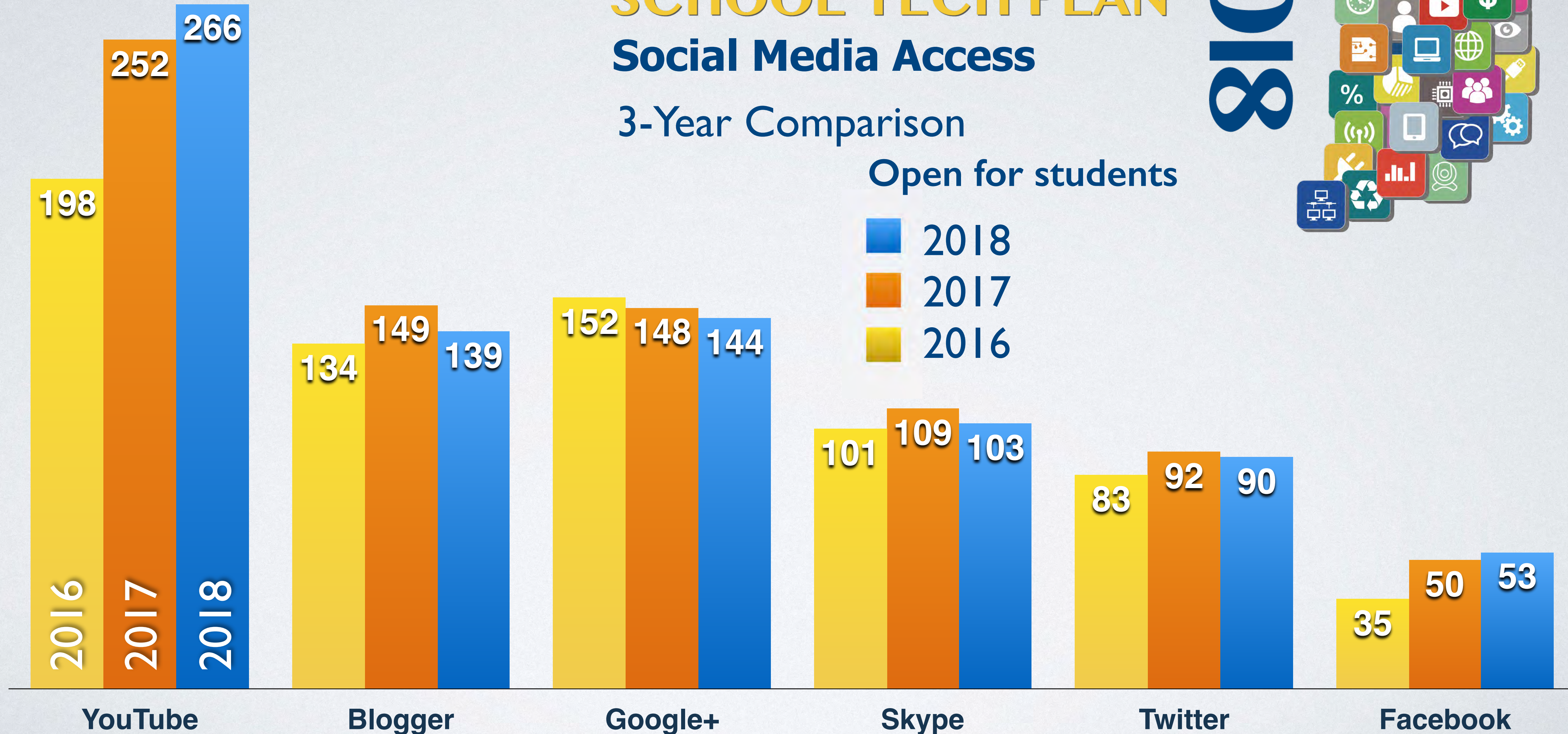
2018



Number of Districts

Open for students

2018
2017
2016



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Cybersecurity

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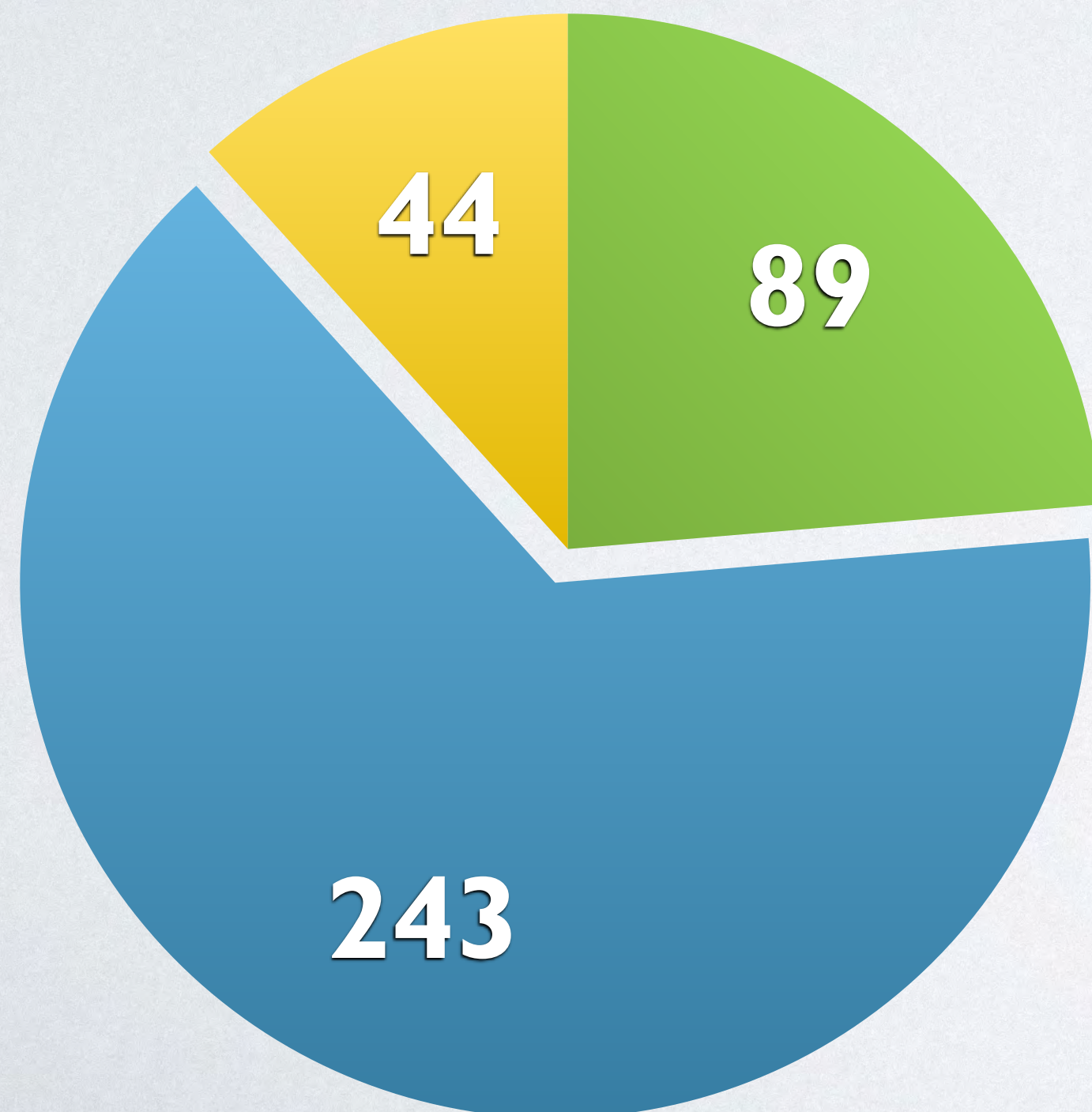
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Cybersecurity Assessment

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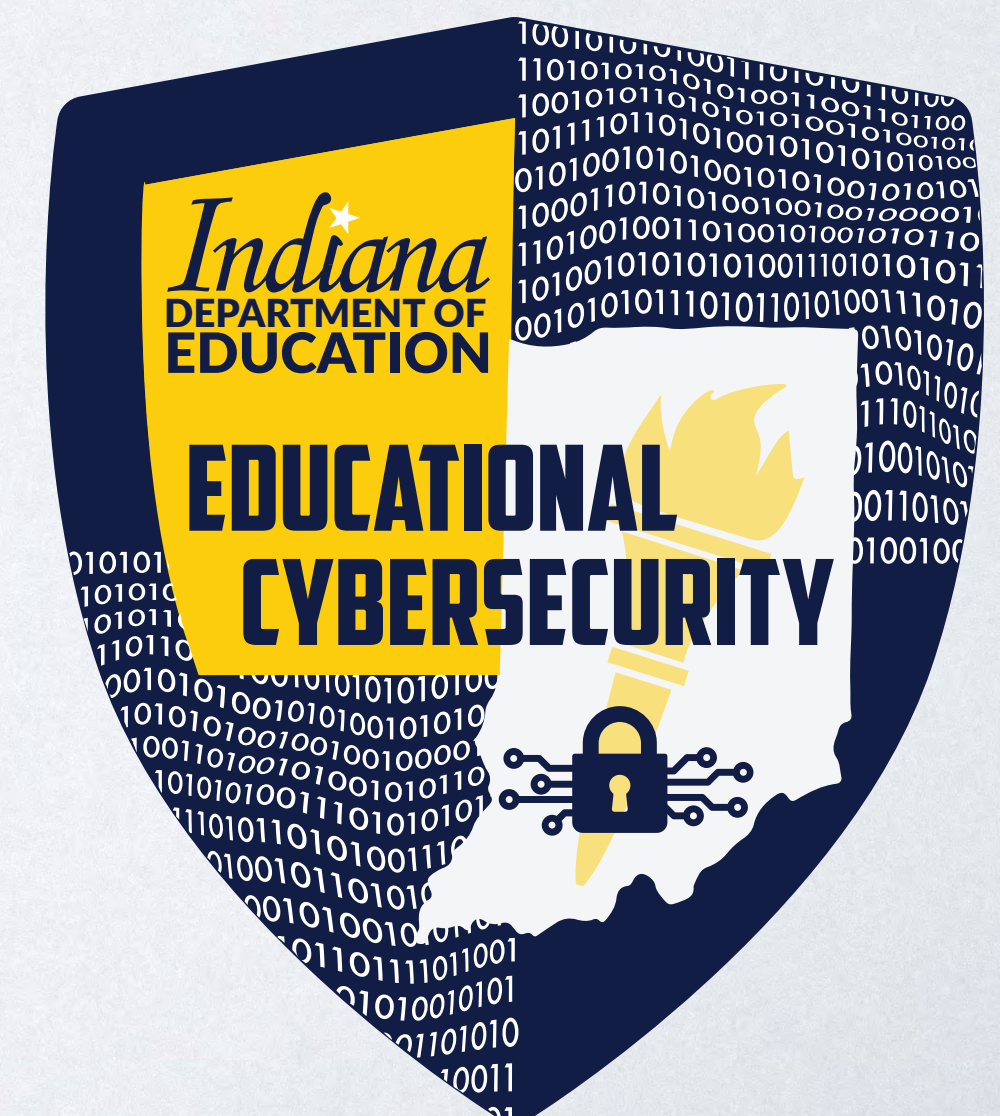
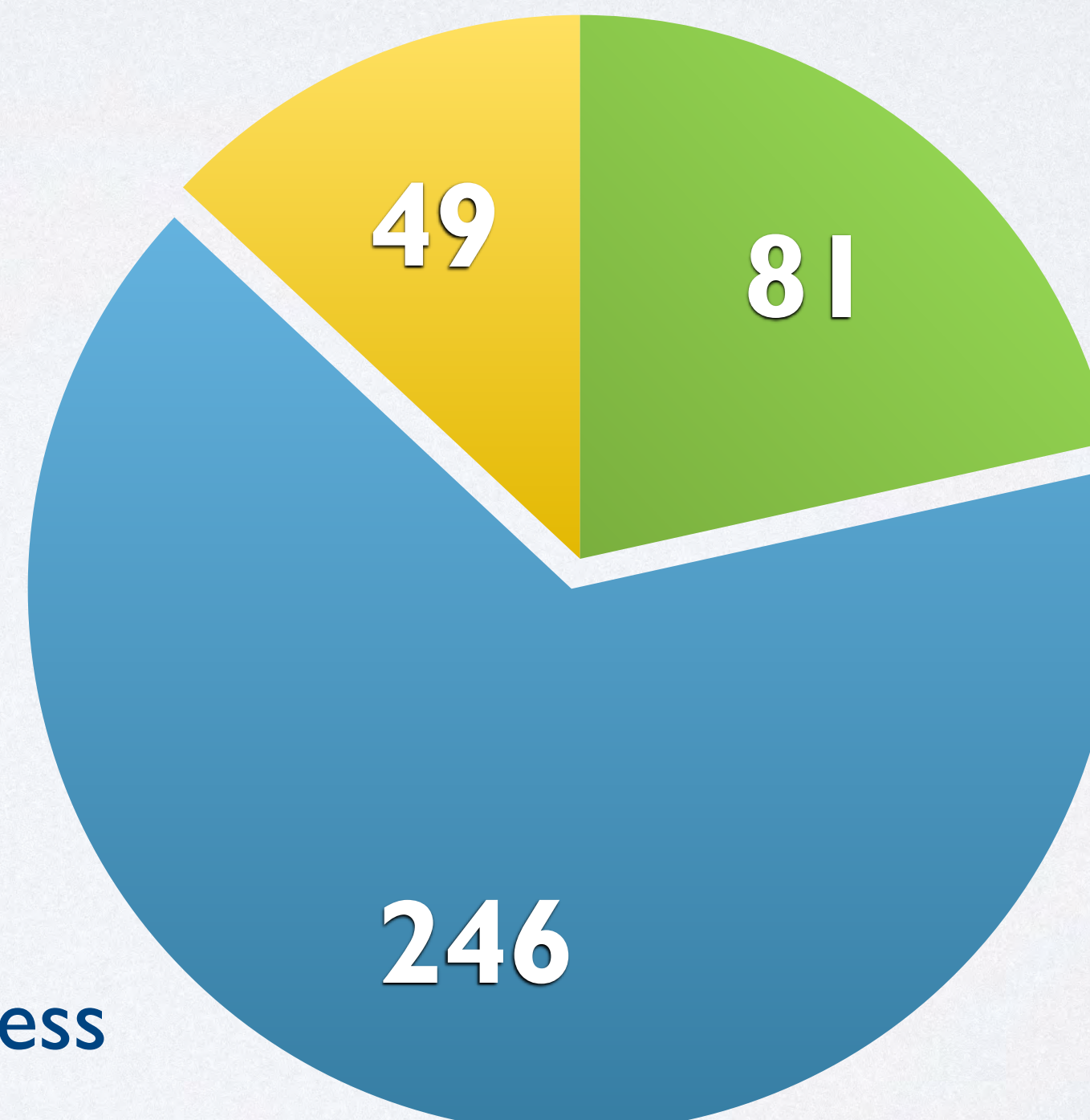


Have you had a cybersecurity audit?

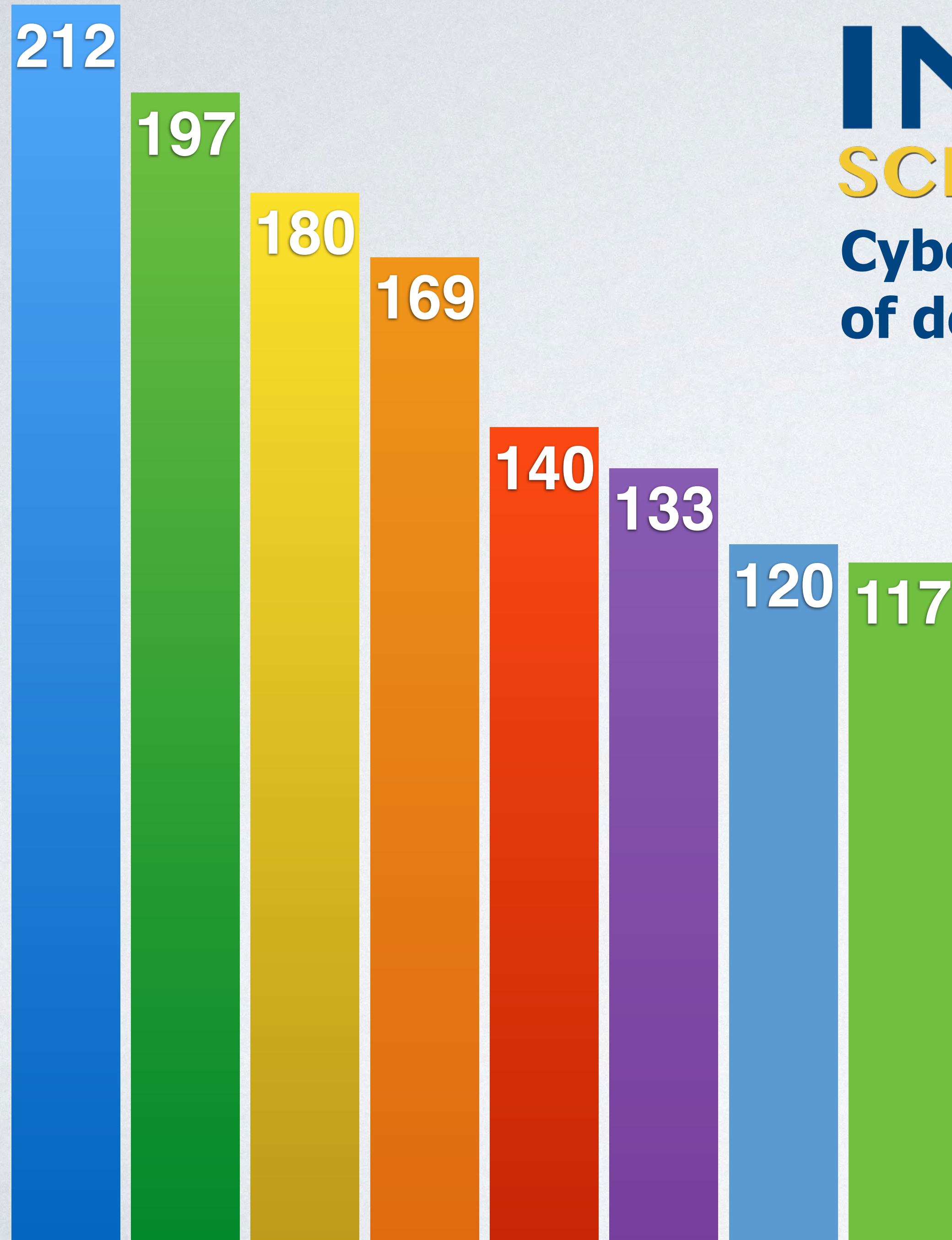


- Yes
- No
- In Process

Have you conducted a phishing security test?



Number of Disticts



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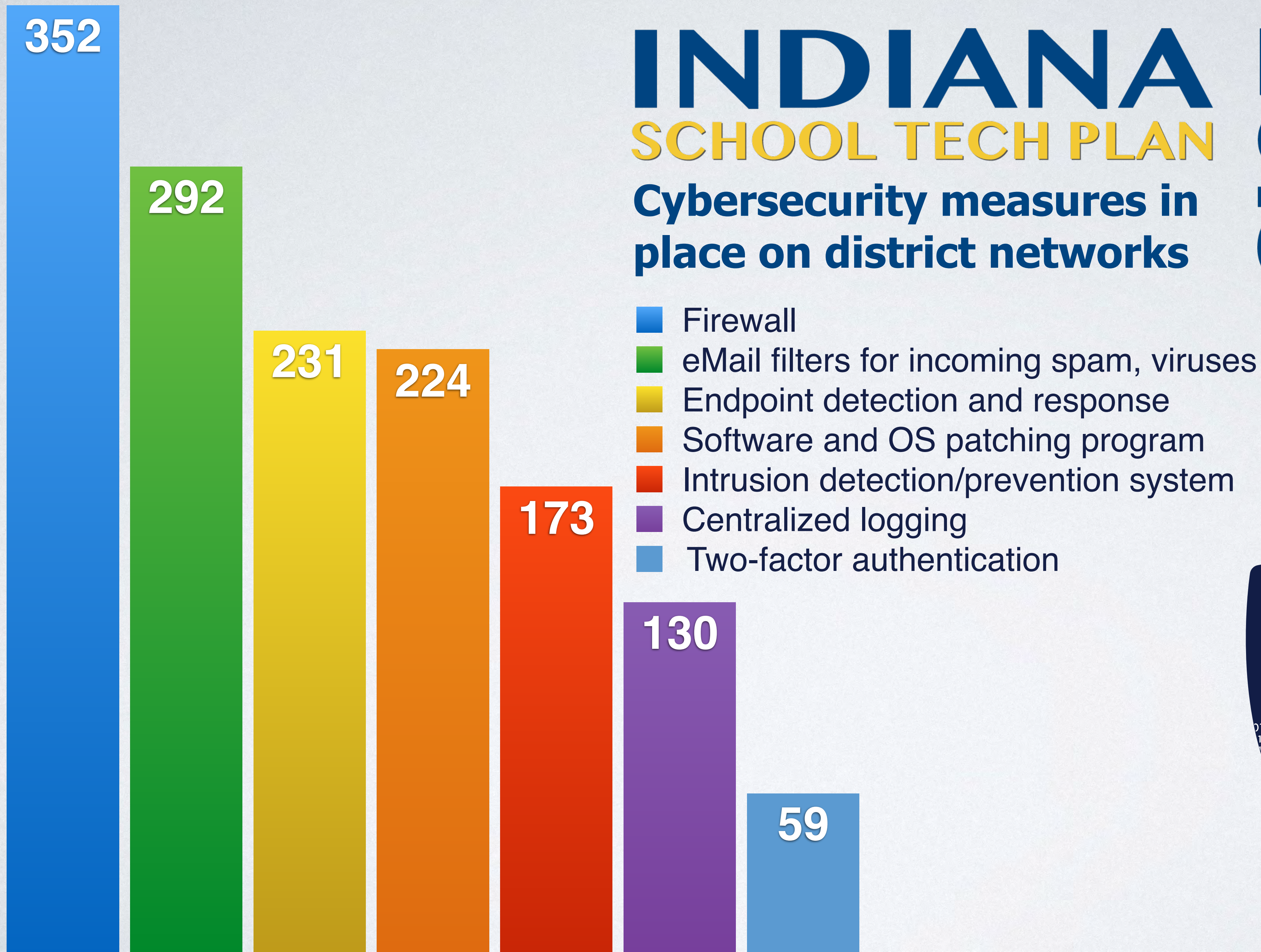
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Cybersecurity areas in need of development or support

- Phishing campaigns
- Risk analysis
- Ransomware attacks
- External penetration testing
- Internal penetration testing
- Denial-of-service attacks
- Data Security
- Password procedures



Number of Districts



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Cybersecurity measures in place on district networks

- Firewall
- eMail filters for incoming spam, viruses
- Endpoint detection and response
- Software and OS patching program
- Intrusion detection/prevention system
- Centralized logging
- Two-factor authentication

